LAND APPLICATION SITE SAMUEL SHANDS DWDSS 1-15 DINWIDDIE COUNTY

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 8-17-20 between Samue 1 Shands referred to
here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect
until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in
the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels
identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to
receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in <u>Dinuidate</u>. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
87-19			
86-41			
87-10			
87-Z4			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- The Landowner is the sole owner of the properties identified herein.
- The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

- Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
- 2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids Water treatment residuals Food processing waste Other industrial sludges □ No ✓ Yes □ No ⊠Yes El No Yes □ No Printed name Mailing Address 26714 Troublefield Rd. Landowner Signature Samuel By: Stony Creek, VA 2388Z Title* Phone No. 804-731 - 6733 * I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. *☐ I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed nas	me	Mailing Address	Permittee- Authorized Representative
	Susan Trumbo	PO Box 562, Remington Virginia 22734	Signature
Title	Technical Manager	Phone No. 540-547-3300	Shurle

Permittee: _	Recyc Systems, Inc	County or City: Dinwiddie
andowner:	-Samuel Shands	
andowner	Site Management Requirements:	
the Landown	er, I have received a DEQ Biosolids Fact S n of biosolids, the components of biosolids	Sheet that includes information regarding regulations governing the and proper handling and land application of biosolids.
have also bee	as averagely advised by the Permittee that	the site management requirements and site access restrictions we been applied on my property in order to protect public health, and
	ement the following site management prac	tices at each site under my ownership following the land application
Notifica biosolid	tion Signs: I will not remove any signs nos	sted by the Permittee for the purpose of identifying my field as a y the Permittee, until at least 30 days after land application at that
0 00055-7) manage	
2. Public A a.	Public access to land with a high potential following any application of biosolids.	al for public exposure shall be restricted for at least one year
b.	Public access to land with a low potentia any application of biosolids. No biosolids this same period of time unless adequate	I for public exposure shall be restricted for at least 30 days foliowing a amended soil shall be excavated or removed from the site during a provisions are made to prevent public exposure to soil, dusts or
Ċ.	aerosols; Turf grown on land where biosolids are a biosolids when the harvested turf is plac- unless otherwise specified by DEQ.	applied shall not be harvested for one year after application of ed on either land with a high potential for public exposure or a lawn,
3. Crop R	estrictions:	
	shall not be harvested for 14 months after Food crops with harvested parts below the application of biosolids when the biosolid months prior to incorporation into the solution of the solutio	he surface of the land shall not be harvested for 20 months after the ds remain on the land surface for a time period of four (4) or more il, he surface of the land shall not be harvested for 38 months when the
d. e.	Other food group and fiber crops shall no	a time period of less than four (4) months prior to incorporation. of the harvested for 30 days after the application of biosolids; of days after the application of biosolids (60 days if fed to lactating
4. Livesto	ock Access Restrictions:	
	ollowing biosolids application to pasture or Meat producing livestock shall not be gr	hayland sites:
a. b. c.	Lactating dairy animals shall not be gra-	zed for a minimum of 60 days.
	annications such that the total crop ne	plications will be coordinated with the biosolids and industrial eds for nutrients are not exceeded as identified in the nutrient ed in accordance with §10.1-104.2 of the Code of Virginia;
C Toboo	co because it has been shown to accumu	late cadmium, should not be grown on the Landowner's land for three
years 1	following the application of biosolids or ind s/acre (0.5 kilograms/hectare).	ustrial residuals which bear cadmium equal to or exceeding 0.45
As	muel Allander	8-17-20
Lando	owner's Signature	Date
To the last of the		26714 Trouble field Rd.
-1	181-1	Stony Creek, VA 23882 804-731-6733 8-17-20
1		

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 8-17-20 between Carolyn Shandsreferred to
here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect
until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in
the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels
identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to
receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Y.		
**************************************	A ST. A A D. T. T. CNC	w m b
	=	
	**************************************	* (* 18

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- The Landowner is the sole owner of the properties identified herein.
- The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

- 1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
- 2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

 Class B biosolids
 Water treatment residuals
 Food processing waste
 Other industrial sludges

 ☑ Yes
 ☐ No
 ☑ Yes
 ☐ No
 ☑ Yes
 ☐ No

Printed name
Carolyn ShandS
By:

Title*

Mailing Address
26714 Troublefield Rd.
Stony Creek.VA 23882

Phone No. 804-469-7327

Landowner Signature
Carolyn Signature
Carolyn Signature

*□ I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.

* I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.

Permittee:

<u>Recyc Systems, Inc.</u>, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed nar	ne	Mailing Address	Permittee Authorized Representative
	Susan Trumbo	PO Box 562, Remington Virginia 22734	Signature
Title	Technical Manager	Phone No. 540-547-3300	Orune

Permittee	e: Recyc System	is, Inc	County or City:	Dinwiddie	
Landown	ier: <u>Carolyn</u> St	ands			
.andown	er Site Management Req	uirements:			
the Lando and applica	owner, I have received a DEC ation of biosolids, the compor	Q Biosolids Fact Sh nents of biosolids a	neet that includes inform and proper handling an	mation regarding regulations gove d land application of biosolids.	erning the
lentified be	been expressly advised by the elow must be complied with a esponsible for the implementa	ifter biosolids have	been applied on my p	quirements and site access restri roperty in order to protect public l	ictions health, and
	nplement the following site m at the site:	anagement practio	es at each site under r	my ownership following the land a	application
bios	ication Signs: I will not remo olids land application site, unl s completed	ve any signs poste ess requested by t	d by the Permittee for the Permittee, until at le	the purpose of identifying my field east 30 days after land application	d as a n at that
2. Publi	a. Public access to land wit	h a high potential f	for public exposure sha	all be restricted for at least one ye	ear
t	any application of biosoli this same period of time	h a low potential fo ds. No blosolids a	mended soil shall be e	I be restricted for at least 30 days excavated or removed from the sit prevent public exposure to soil, d	te during
C	aerosols; c. Turf grown on land when biosolids when the harve unless otherwise specific	sted turf is placed	olied shall not be harve on either land with a h	sted for one year after application igh potential for public exposure	n of or a lawn,
	shall not be harvested for	r 14 months after t	he application of bioso	ure and are totally above the land lids. all not be harvested for 20 months	
	application of biosolids w months prior to incorpora Epod crops with harveste	then the biosolids a ation into the soil, and parts below the	remain on the land surf surface of the land sha	face for a time period of four (4) of all not be harvested for 38 months	or more s when the
	Other food crops and fibe	er crops shall not b	e harvested for 30 day	four (4) months prior to incorpora vs after the application of biosolid n of biosolids (60 days if fed to la	s;
F	tock Access Restrictions: ollowing biosolids applicatio	n to pasture or hay	yland sites:		
a b c	Lactating dairy animals s	hall not be grazed	for a minimum of 60 d	ays.	
residu	ials applications such that th	e total crop needs	for nutrients are not ex	ted with the biosolids and industr xceeded as identified in the nutri 1-104.2 of the Code of Virginia;	rial ent
years	cco, because it has been sho following the application of l ds/acre (0.5 kilograms/hecta	piosolids or industr	cadmium, should not ial residuals which bea	be grown on the Landowner's lar ar cadmium equal to or exceeding	nd for thre g 0.45
Ca	rulyw Sha	ud D		8-17-2	0
Land	owner's Signature			Date	_
-					
Oper	ator's Signature	mailing add	ress & phone	Date	==7 .\

- Shirley

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

A. This land application agr here as "Landowner", and remains in effect until it is to the Landowner in the event individual parcels identified longer be authorized to rec	Recyc Systems, Inc, re erminated in writing by either p	between Shirle ferred to here as the "Perrelarty or, with respect to tho els, until ownership of all pose parcels for which own	referred to referred to nittee". This agreement se parcels that are retained by arcels changes. If ownership of ership has changed will no
Landowner: The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	er of record of the real property or reclamation sites identified	located in <u>Dinwidd</u> below in Table 1 and iden	Virginia, which includes tified on the tax map(s)
Table 1.: Parcels aut	horized to receive biosolids, w	ater treatment residuals or	other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
87-24A			
87-10			
87-24			
Additional parcels containing Lan	d Application Sites are identified on Su	unnlament A (abook if annlicable)	
	e Landowner is the sole owner e Landowner is one of multiple		
within 38 months of the late 1. Notify the purchase later than the date of 2. Notify the Permittee The Landowner has no other notify the Permittee immedition application or any part of incorrect.	wher sells or transfers all or pa est date of biosolids application or or transferee of the applicabl of the property transfer; and e of the sale within two weeks the er agreements for land applicated ately if conditions change such f this agreement becomes inva	, the Landowner shall: e public access and crop r following property transfer. tion on the fields identified n that the fields are no long alid or the information here	management restrictions no herein. The Landowner will ger available to the Permittee in contained becomes
agricultural sites identified a inspections on the land ider	nts permission to the Permittee above and in Exhibit A. The La atified above, before, during or apliance with regulatory require	indowner also grants perm after land application of pe	ission for DEQ staff to conduct ermitted residuals for the
Class B biosolids Wate ☑ Yes ☐ No ☑ Ye			ther industrial sludges I Yes □ No
Shirley M. Shir Landowner - Printed Name, Title	MIS Styleyman Signature		Trubefre WRJSC 23885 iling Address & Phone Number
D '''	- /	804	469-3112
manner authorized by the VPA	Permittee, agrees to apply biosolic Permit Regulation and in amount plication field by a person certified	s not to exceed the rates ider	itified in the nutrient management
The Permittee agrees to notify specifically prior to any particul	the Landowner or the Landowner' ar application to the Landowner's	s designee of the proposed s land. Notice shall include the	chedule for land application and source of residuals to be applied.
☐ I reviewed the document(s) a document(s) available to DEQ	assigning signatory authority to the for review upon request. (Do not d	e person signing for landowne heck this box if the landowner sig	er above. I will make a copy of this agreement)
Permittee – Authorized Represen	tative Signature		mington, Virginia 22734 ling Address

Rev 9/14/2012

Printed Name

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Perr	mittee: Recyc Systems, Inc County or City: Dinwiddie
Lan	downer: Shirley M. Shands
Lan	downer Site Management Requirements:
	Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land cation of biosolids, the components of biosolids and proper handling and land application of biosolids.
ident	e also been expressly advised by the Permittee that the site management requirements and site access restrictions ified below must be complied with after biosolids have been applied on my property in order to protect public health, and am responsible for the implementation of these practices.
	ee to implement the following site management practices at each site under my ownership following the land application of lids at the site:
1.	Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2.	 Public Access a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids. b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols; c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3.	 Crop Restrictions: a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids; e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4.	Livestock Access Restrictions: Following biosolids application to pasture or hayland sites: a. Meat producing livestock shall not be grazed for 30 days, b. Lactating dairy animals shall not be grazed for a minimum of 60 days. c. Other animals shall be restricted from grazing for 30 days;
5.	Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6.	Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).
A.	Landowner's Signature Date Story creek Va
<u>v</u>	Farm Operator Signature Mailing Address & Phone Number 804 - 131 - 6133

Rev 9/14/2012

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 8 · 17 · 20 between Therman ShandS referred to
here as "Landowner", and Recyc Systems, Inc., referred to here as the "Permittee". This agreement remains in effect
until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in
the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels
identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to
receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
87-10			
87-Z4	90180 0 0 0 0 0 0 0 0	E 17 V V 1790	, vieta n
		7.	

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one

- The Landowner is the sole owner of the properties identified herein.
- M The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

- Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer, and
- 2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

 Class B biosolids
 Water treatment residuals
 Food processing waste
 Other industrial sludges

 ☑ Yes
 ☐ No
 ☑ Yes
 ☐ No
 ☑ Yes
 ☐ No

Printed name
Theman Lee Shands
By:

Title*

Mailing Address
26709 Troubieffed Rd.
Stony Creck. VA 23882

Phone No. 804-469-3021

Landowner Signature

Landowner Signature

* l certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.

* l certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.

Permittee:

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name		Mailing Address	Permittee- Authorized Representative
	Susan Trumbo	PO Box 562, Remington Virginia 22734	Signature
Title	Technical Manager	Phone No. 540-547-3300	Munde

	mittee:	Recyc Systems, Inc	County or Ci	ity: <u>Dinwiddi</u> e
Lar	downer: _	Therman Lee Sho	inds	W.
Lan	downer Sit	e Management Requiremer	its:	
I, the	∍ Landowner, applicatìon c	I have received a DEQ Biosolid f biosolids, the components of b	s Fact Sheet that includes iosolids and proper handlir	information regarding regulations governing og and land application of biosolids.
iden	tified below m	expressly advised by the Permitt nust be complied with after bioso ible for the implementation of the	lids have been applied on:	ent requirements and site access restrictions my property in order to protect public health,
l agr	•	ent the following site manageme		nder my ownership following the land applica
15	Notification biosolids ta site is comp	ind application site, unless reque	ins posted by the Permittee sted by the Permittee, until	e for the purpose of identifying my field as a il at least 30 days after land application at the
2.	Public Acce a. Pu	ess ublic access to land with a high p lowing any application of biosoli	ootential for public exposur	e shall be restricted for at least one year
ä	b. Pu an thi	ublic access to land with a low portion of biosolids. No bits same period of time unless ad	otential for public exposure osolids amended soil shall	shall be restricted for at least 30 days follow be excavated or removed from the site during the to prevent public exposure to soil, dusts of
	c⊪ Tu bio	rosols; if grown on land where biosolid psolids when the harvested turf i less otherwise specified by DEC	s placed on either land with	narvested for one year after application of the high potential for public exposure or a law
3.	sh: b: Fo	od crops with harvested parts the all not be harvested for 14 mont od crops with harvested parts be	hs after the application of below the surface of the land	mixture and are totally above the land surfactionsolids. d shall not be harvested for 20 months after discrete the surface for a time period of four (4) or more
	mo c. Fo big d. Otl	onths prior to incorporation into to discount of community of community of the community of	he soil, elow the surface of the lan- ce for a time period of less hall not be harvested for 30	d shall not be harvested for 38 months when than four (4) months prior to incorporation. 0 days after the application of biosolids; cation of biosolids (60 days if fed to lactating
		iry animals).	Tor ob days arter are appro	541077 07 210301143 (05 4270 11 104 10 11 11 11 11 11
4.	Followii a. Me b. Lad	ccess Restrictions: ng biosolids application to pastue eat producing livestock shall not ctating dairy animals shall not be ner animals shall be restricted fr	be grazed for 30 days, e grazed for a minimum of	60 days.
5.	Supplement residuals ap	al commercial fertilizer or manu	re applications will be coor op needs for nutrients are r	rdinated with the biosolids and industrial not exceeded as identified in the nutrient §10.1-104.2 of the Code of Virginia;
6.	years follow	ecause it has been shown to accing the application of biosolids of (0.5 kilograms/hectare).	zumulate cadmium, should or industrial residuals which	not be grown on the Landowner's land for the hear cadmium equal to or exceeding 0.45
		0.0		8-17-20
~	2	· XV /		

A. This land application aghere as "Landowner", and remains in effect until it is the Landowner in the ever individual parcels identified longer be authorized to reclandowner:	Recyc Systems, Inc. I, reterminated in writing by either part of a sale of one or more part d in this agreement changes, the ceive biosolids or industrial residuals.	between Ralph between relative to here as the "Permit oarty or, with respect to those sels, until ownership of all particles parcels for which owners iduals under this agreement.	ShandS referred to tee". This agreement parcels that are retained by cels changes. If ownership of ship has changed will no
The Landowner is the owr the agricultural, silvicultural attached as Exhibit A.	ner of record of the real property al or reclamation sites identified	y located in <u>Ninwiddie</u> I below in Table 1 and identifi	_, Virginia, which includes ed on the tax map(s)
Table 1,: Parcels au	uthorized to receive biosolids, w	vater treatment residuals or o	ther industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
87-12			
Additional parada and district	and Annihim City and I have a		
	nd Application Sites are identified on S		
Check one:	ne Landowner is the sole owne	r of the properties identified h	erein.
□ Tf	ne Landowner is one of multiple	e owners of the properties ide	intified herein.
Notify the purchas later than the date Notify the Permitte The Landowner has no oth notify the Permittee immed for application or any part of incorrect.	est date of biosolids application er or transferee of the applicab of the property transfer; and ee of the sale within two weeks her agreements for land applica diately if conditions change such of this agreement becomes inva-	le public access and crop ma following property transfer. Ition on the fields identified he h that the fields are no longer alid or the information herein	erein. The Landowner will available to the Permittee contained becomes
agricultural sites identified inspections on the land ide purpose of determining cor	ants permission to the Permitter above and in Exhibit A. The La entified above, before, during or mpliance with regulatory require	andowner also grants permise after land application of perm ements applicable to such ap	sion for DEQ staff to conduct nitted residuals for the plication.
			er industrial sludges es □ No
Landowner - Printed Name, Titl	le Signature	Mailin	6×91 Stry Gree 7 g Address & Phone Number 338
manner authorized by the VP/	Permittee, agrees to apply biosoli A Permit Regulation and in amoun pplication field by a person certifie	ds and/or industrial residuals on ts not to exceed the rates identifi	the Landowner's land in the
The Permittee agrees to notify specifically prior to any particu	/ the Landowner or the Landowner ular application to the Landowner's	r's designee of the proposed sch land. Notice shall include the so	edule for land application and ource of residuals to be applied.
☐ I reviewed the document(s) document(s) available to DEC	assigning signatory authority to the for review upon request. (Do not d	ne person signing for landowner signs theck this box if the landowner signs	above. I will make a copy of this this agreement)
Permittee – Authorized Represe	entative Signature		ngton, Virginia 22734 g Address

Rev 9/14/2012

Printed Name

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee:	Recyc Systems, Inc	County or City: <u>Dinwiddie</u>
Landowner:	Ralph Shands	

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

- a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
- 4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- a. Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- c. Other animals shall be restricted from grazing for 30 days;
- Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals
 applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan
 developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three
 years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45
 pounds/acre (0.5 kilograms/hectare).

V South & Survey	5-19-2014
Landowner's Signature	Date
Samuel Shands	26714 Troubbliel Rel 23982
Farm Operator Signature	Mailing Address & hone Number
	804-731-6733

Rev 9/14/2012

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

here as "Landowner", and Re until it is terminated in writing the event of a sale of one or identified in this agreement c	ecyc Systems, Inc, referred to by either party or, with respe more parcels, until ownership	between Anthony here as the "Permittee". This ect to those parcels that are re of all parcels changes. If ow ich ownership has changed w ent.	s agreement remains in effect tained by the Landowner in nership of individual parcels			
Landowner: The Landowner is the owner agricultural, silvicultural or redocumentation identifying ow	clamation sites identified belo	located in <u>Dinwiddie</u> w in Table 1 and identified on	, Virginia, which includes the the tax map(s) with county			
Table 1.: Parcels auti	norized to receive biosolids, w	ater treatment residuals or ot	her industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID			
87-11						
☐ Additional parcels containing	Land Application Sites are identified	on Supplement A (check if applicable	e)			
Check one: The Lar	ndowner is the sole owner of t	the properties identified hereir ners of the properties identifie	n. ed herein			
within 38 months of the latest 1. Notify the purchaser of than the date of the p 2. Notify the Permittee of the Landowner has no other notify the Permittee immediate.	 In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall: Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and Notify the Permittee of the sale within two weeks following property transfer. The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect. 					
agricultural sites identified about inspections on the land identified purpose of determining comp	ove and in Exhibit A. The Lar fied above, before, during or a	ndowner also grants permissicater land application of permi	on for DEQ staff to conduct tted residuals for the			
Class B biosolids Water tr ☒ Yes ☒ No ☒ Yes	eatment residuals Food ☐ No ☑Ye		<u>industrial sludges</u> s □ No			
Printed name Anthony Browns Yo RALPHSHANDS By: RALPHSHANDS Title* POA Phone No. 804-469-1361 **Indextorify that I have authority to sign for the landowner as indicated by my title as executor, Trustee of Power of attorney, etc. **Indextorify I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.						
Permittee: Recyc Systems, Inc., the Permit authorized by the VPA Permit Re prepared for each land application.	gulation and in amounts not to e n field by a person certified in ac	xceed the rates identified in the recordance with §10.1-104.2 of the	nutrient management plan <u>e Code of Virginia</u> .			
The Permittee agrees to notify the specifically prior to any particular	e Landowner or the Landowner's application to the Landowner's la	s designee of the proposed sched and. Notice shall include the sou	dule for land application and rce of residuals to be applied.			
Printed name	Mailing Address		- Authorized Representative			

PO Box 562, Remington Virginia 22734

Phone No. 540-547-3300

Title

Susan Trumbo

Technical Manager

		1 33			A 17	
Permi	ttee:	Recyc Systems,	Inc	_ County or City:	Vinwilder)
Lando	wner: A	nthony Brow	n	-118		24 THE
Lando	wner Site	Management Requir	ements:		age of the	
I, the La	andowner, I plication of I	have received a DEQ Bi piosolids, the componen	iosolids Fact ts of biosolid	Sheet that includes infor s and proper handling ar	mation regarding	g regulations governing the on of biosolids.
identifie	ed b <mark>elow mu</mark>		r biosolids ha			site access restrictions to protect public health, and
	to implemer		agement pra	ctices at each site under	my ownership fo	ollowing the land application
Ŀ	Notification S piosolids land site is complete	d application site, unless	any signs po s requested b	sted by the Permittee for by the Permittee, until at	the purpose of i	dentifying my field as a ter land application at that
2. n F	Public Acces	ss		-		
To: 1	a. Pub	olic access to land with a		al for public exposure sh	all be restricted	for at least one year
	b. Pub	owing any application of olic access to land with a application of biosolids.	low potentia	al for public exposure sha s amended soil shall be	all be restricted for excavated or ren	or at least 30 days following noved from the site during
		same period of time unlosols:	ess adequat	e provisions are made to	prevent public e	exposure to soil, dusts or
	c. Turi bios	f grown on land where b	ed turf is plac	applied shall not be harve ed on either land with a l		ar after application of public exposure or a lawn,
3. (Crop Restric		oy DEG.	2 4		
0.	a. Foo	d crops with harvested	parts that tou	ch the biosolids/soil mix er the application of bios	ture and are tota	lly above the land surface
	b. Foo app	d crops with harvested p	parts below to n the biosolic	he surface of the land sh ds remain on the land su	nall not be harves	sted for 20 months after the period of four (4) or more
	c. Foo	d crops with harvested polids remain on the land	parts below to d surface for	he surface of the land sh a time period of less that	n four (4) months	sted for 38 months when the sprior to incorporation.
	e. Fee	er food crops and fiber of d crops shall not be har y animals).	crops shall no vested for 30	ot be harvested for 30 da days after the application	ays after the appl on of biosolids (6	lication of biosolids; O days if fed to lactating
4. L		cess Restrictions:		-		
		g biosolids application to at producing livestock sh				
	b. Lac		ll not be graz	ed for a minimum of 60	days.	##F
r	esiduals app	olications such that the t	otal crop nee	plications will be coordinated for nutrients are not ed in accordance with §10	exceeded as idea	ntified in the nutrient
У	ears following	ng the application of bio	solids or indu	ate cadmium, should not ustrial residuals which be	t be grown on the ear cadmium equ	e Landowner's land for three all to or exceeding 0.45
7)	ounds/acre	(0.5 kilograms/hectare).		= 15	2	
KI	Spli	Shan	1			8-17-20
r L	#n/downer	s Signature .	for Anth	ing Browns		Date
y.		00		26714 Trauble	efield Rd.	
d		axt.	17	Stoney Creek, 804-731-6	VA Z388Z	
NG	Joseph S	Nanature X V Certify	mailing ar	8 04- 131 - 6 ddress & phone	733	8-17-20 Date

esting and

PART D-VI: LANI	APPLICA	TION AGREEME	NT - BIOSOLIDS AND IN					
A. This land application agreement is made on between cynthic Pegramreferred to here as "Landowner", and Recyc Systems, Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.								
the agricultural, silvic								
Table 1.: Parce	els authorized	d to receive biosoli	ds, water treatment residuals	s or other industrial sludges				
Tax Parcel ID		Tax Parcel ID	Tax Parcel ID	Tax Parcel ID				
87-16								
					_			
Additional parcels contain	ing Land Applica	ation Sites are identified	d on Supplement A (check if applica	bie)				
			owner of the properties identi	·				
CHECK ONC.	The Land	owner is one of mi	ultiple owners of the propertie	es identified herein.				
within 38 months of the Dull 1. Notify the pure later than the	ne latest date rchaser or tra date of the p	of biosolids applic nsferee of the app property transfer; a	cation, the Landowner shall: olicable public access and cro	ich biosolids have been applied op management restrictions no fer.				
notify the Permittee in	nmediately if	conditions change		ied herein. The Landowner will onger available to the Permittee erein contained becomes				
agricultural sites iden inspections on the lar	tified above a nd identified a	and in Exhibit A. Tabove, before, duri	mittee to land apply residual he Landowner also grants ping ng or after land application of equirements applicable to su	ermission for DEQ staff to conduct if permitted residuals for the	t			
Class B biosolids ☑ Yes ☐ No		<u>nent residuals</u> No	Food processing waste ☑ Yes ☐ No	Other industrial sludges ☑ Yes ☐ No				
Glover W. Peg.	Ram-lan	downer B	lover W Pegran	POBORIGI Stony Cruek, VA 23552 H	34-246-			
Landowner - Printed Nar Vn Hhi a Fegr Permittee:	ne, Title Zem -Wyg	he Signature Cy	on the Pequamergas	Mailing Address & Phone Number (1449 n Halyax Rd Story Creek, No Association	434658			
Recyc Systems, Inc	ne VPA Permit	Regulation and in a	mounts not to exceed the rates	als on the Landowner's land in the identified in the nutrient managemen 1-104.2 of the Code of Virginia.	t			
	plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia. The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.							
☐ I reviewed the docum document(s) available to	ent(s) assignir DEQ for revie	ng signatory authorit ew upon request. (D	y to the person signing for lando o not check this box if the landowne	owner above. I will make a copy of the rigns this agreement)	iis			
Truck)	Stando	PO Box 562	Remington, Virginia 22734	6			
Permittee - Authorized Re Printed	epresentative I Name	Signature		Mailing Address				

Rev 9/14/2012

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Landowner Landowne	Recyc Systems, Inc County or City: Dinwiddle County or City: Dinwiddle Cynthea Regram - wyche er Size Management Requirements:
I, the Landow application of	rner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land biosolids, the components of biosolids and proper handling and land application of biosolids.
identified belo	seen expressly advised by the Permittee that the site management requirements and site access restrictions by must be complied with after biosolids have been applied on my property in order to protect public health, and consible for the implementation of these practices.
I agree to imp biosolids at th	e site:
Notifica biosolic comple	ation Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a discland application site, unless requested by the Permittee, until at least 30 days after land application at that site is sted.
2. Public / a. b. c.	Access Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols; Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Rea.b.c.d.e.	estrictions: Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids; Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
	ck Access Restrictions: Iowing biosolids application to pasture or hayland sites: Meat producing livestock shall not be grazed for 30 days, Lactating dairy animals shall not be grazed for a minimum of 60 days. Other animals shall be restricted from grazing for 30 days;
applicati	nental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals ions such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan ed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
years fo	o, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three llowing the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 acre (0.5 kilograms/hectare).
Land	per lu Jechan S/14/2014 Date S/14/2014 Stany Creek, VA 23082 Board Signature Mailing Address & Phone Number

Rev 9/14/2012

PART D-VI: LAND AP	PLICATION AGREEMĘ	NT - BIOSOLIDS AND II	NDUSTRIAL RESIDUALS				
A. This land application agreement is made on between Glover Pegram referred to here as "Landowner", and Recyc Systems, Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.							
Landowner: The Landowner is the owner of record of the real property located in <u>Structed C</u> . Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.							
Table 1.: Parcels au	thorized to receive biosolic	ds, water treatment residual	s or other industrial sludges				
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	1			
86-42				1			
87-14				1			
				1			
	d Application Sites are identified	on Supplement A (check if application	able)				
Check one: ☑ Th ☐ Th	e Landowner is the sole of e Landowner is one of mu	wner of the properties ident ultiple owners of the properti	ified herein. es identified herein.				
1. Notify the purchase later than the date	est date of biosolids applic or or transferee of the appl of the property transfer; ar	ation, the Landowner shall: licable public access and cr	ich biosolids have been applied op management restrictions no sfer.				
The Landowner has no other notify the Permittee immedifor application or any part of incorrect.	iately if conditions change	such that the fields are no I	fied herein. The Landowner will onger available to the Permittee erein contained becomes				
agricultural sites identified a inspections on the land ider purpose of determining com <u>Class B biosolids</u> <u>Wate</u>	above and in Exhibit A. Th ntified above, before, durin	ne Landowner also grants p ng or after land application o	s as specified below, on the ermission for DEQ staff to conduct of permitted residuals for the ich application. Other industrial sludges Yes □ No				
GLOVER W. Peb.	RAM Glaver W.	. Regram Trustee	segren dandy Trut				
Landowner - Printed Name, Title			Mailing Address & Phone Number @ Poy	491-3087			
Permittee: Signature P. D. 1804 / 61 + 434-244-2.							
Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the							
manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.							
The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.							
	assigning signatory authority	to the person signing for lando	owner above. I will make a copy of this				
Bormitto	Stule		Remington, Virginia 22734				
Permittee – Authorized Representative Signature Mailing Address Printed Name							

Rev 9/14/2012

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee:	Recyc Systems, Inc	County or City: _	Dinwiddie
Landowner:	Glover W. Pegram	Trustee	

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access

- Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
- b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
- c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:

- Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
- c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
- d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
- e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

- Meat producing livestock shall not be grazed for 30 days,
- b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
- Other animals shall be restricted from grazing for 30 days;
- 5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
- Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Slaver W Jegram Drustee 5-19-2014

Landowner's Signature

Samuel Skand 26714 Thoulefeeld Hong Co.

804-731-6733

Mailing Address & Phone Number

Farm Operator Signature

PART D-VI: LAND APP	LICATION AGREEMENT -	BIOSOLIDS AND IN	DUSTRIAL RESIDUALS
here as "Landowner", and <u>R</u> until it is terminated in writin the event of a sale of one or identified in this agreement of	Recyc Systems, Inc. referred to g by either party or, with respe more parcels, until ownership	here as the "Permittee ct to those parcels that of all parcels changes. ch ownership has chan	". This agreement remains in effect are retained by the Landowner in If ownership of individual parcels ged will no longer be authorized to
Landowner: The Landowner is the owner agricultural, silvicultural or redocumentation identifying ov	eclamation sites identified belo	located in Dnwdow in Table 1 and identif	Virginia, which includes the ied on the tax map(s) with county
Table 1.: Parcels aut	thorized to receive biosolids, w	ater treatment residual	s or other industrial sludges
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
87-70			
A MAN BY MAN THE	N 37 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	g Land Application Sites are identified	<u> </u>	
In the event that the Landows within 38 months of the latest 1. Notify the purchaser than the date of the p. 2. Notify the Permittee of	property transfer, and of the sale within two weeks fo	ners of the properties id of the property to whice the Landowner shall: public access and crop llowing property transfe	entified herein. The biosolids have been applied or management restrictions no later er.
notify the Permittee immediat application or any part of this	agreements for land application tely if conditions change such agreement becomes invalid o	that the fields are no lo	nger available to the Permittee for
inspections on the land identi purpose of determining comp	ove and in Exhibit A. The Lan fied above, before, during or a diance with regulatory requirent reatment residuals Food	downer also grants per fter land application of nents applicable to suc processing waste	mission for DEQ staff to conduct permitted residuals for the
*□ I certify that I am a responsible	Mailing Address Phone No. X sign for the landowner as indicated a official [or officer] authorized to accomplying the sign of the sign o	91 24, 14, 23891 469, 9367 d by my title as executor, Tri	
proprietorship, LLC, municipality, s Permittee:			
Recyc Systems, Inc., the Permi	ittee, agrees to apply biosolids ar	nd/or industrial residuals o	n the Landowner's land in the manner

Pe

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the ma authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed na	me	Mailing Address	Permittee- Authorized Representative
	Susan Trumbo	PO Box 562, Remington Virginia 22734	Signature
Title	Technical Manager	Phone No. 540-547-3300	

Permittee: Recyc Systems, Inc County or City: Dinwiddie
Landowner: Viola Shands
Landowner Site Management Requirements:
I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.
I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.
I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:
 Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
 2. Public Access a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids. b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols; c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn,
 unless otherwise specified by DEQ. Crop Restrictions: Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil, Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids; Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
 4. Livestock Access Restrictions: Following biosolids application to pasture or hayland sites: a. Meat producing livestock shall not be grazed for 30 days, b. Lactating dairy animals shall not be grazed for a minimum of 60 days. c. Other animals shall be restricted from grazing for 30 days;
 Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

7 ov. 2, 2020 Date

Landowner's Signature Viola Shands

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:

Recyc Systems, Inc.

Site Name:

Samuel Shands

County or City:

Dinwiddie County

Please Print

Signature not required on this page

Tax Parcel ID(s)	Landowner(s)
87-12	Ralph A. Shands
87-10	Walter S. Shands Sr. c/o Samuel H. Shands
87-11	Anthony Brown
87-19	Samuel and Carolyn B. Shands
87-24	Nola S. Harvell et. als. c/o Samuel Shands
87-24A	Shirley M. Shands
86-42	Glover W. Pegram Trustee
87-14	Glover W. Pegram Trustee
87-16	Grover W. Pegram and Cynthia R. Pegram (Wyche)
86-41	Samuel Shands
87-20	Ralph A. Shands et. ux.

LANDOWNER LIST SAMUEL SHANDS FARM DINWIDDIE COUNTY

P.O. Box 91 c/o Ralph A. Shands POA Stony Creek, VA 23882 P.O. Box 91 804-469-7367 Stony Creek, VA 23882 804-469-7367 Carolyn Shands 26714 Troubelfield Rd. 26714 Troubelfield Rd. Stony Creek, VA 23882 Stony Creek, VA 23882 804-731-6733 Shirley M. Shands 26709 Troublefield Rd. 26613 Troublefield Rd. Stony Creek, VA 23882 Stony Creek, VA 23882 804-469-3021 Stony Creek, VA 23882 804-469-3112 Glover Pegram Trustee P.O. Box 161 P.O. Box 161	Ralph A. Shands	Anthony Brown
Stony Creek, VA 23882	·	· ·
804-469-7367 Stony Creek, VA 23882 804-469-7367 Samuel Shands 26714 Troubelfield Rd. 26714 Troubelfield Rd. Stony Creek, VA 23882 Stony Creek, VA 23882 804-731-6733 804-469-7327 Therman Lee Shands Shirley M. Shands 26709 Troublefield Rd. 26613 Troublefield Rd. Stony Creek, VA 23882 Stony Creek, VA 23882 804-469-3021 804-469-3112 Glover W. Pegram Glover Pegram Trustee P.O. Box 161 P.O. Box 161		i i
Samuel Shands 26714 Troubelfield Rd. Stony Creek, VA 23882 804-731-6733 Therman Lee Shands 26709 Troublefield Rd. Stony Creek, VA 23882 804-469-3021 Glover W. Pegram P.O. Box 161 Samuel Shands 26714 Troubelfield Rd. Stony Creek, VA 23882 804-469-3112 Carolyn Shands 26714 Troubelfield Rd. Stony Creek, VA 23882 804-469-7327 Shirley M. Shands 26613 Troublefield Rd. Stony Creek, VA 23882 804-469-3112 Glover Pegram Trustee P.O. Box 161	-	
Samuel Shands 26714 Troubelfield Rd. Stony Creek, VA 23882 804-731-6733 Therman Lee Shands 26709 Troublefield Rd. Stony Creek, VA 23882 804-469-3021 Glover W. Pegram P.O. Box 161 Carolyn Shands 26714 Troubelfield Rd. Stony Creek, VA 23882 804-469-3112 Carolyn Shands 26714 Troubelfield Rd. Stony Creek, VA 23882 804-469-7327 Shirley M. Shands 26613 Troublefield Rd. Stony Creek, VA 23882 804-469-3112 Glover Pegram Trustee P.O. Box 161	304 403-7307	
26714 Troubelfield Rd. Stony Creek, VA 23882 804-731-6733 Therman Lee Shands 26709 Troublefield Rd. Stony Creek, VA 23882 804-469-3021 Glover W. Pegram P.O. Box 161 26714 Troubelfield Rd. Stony Creek, VA 23882 804-469-3112 26714 Troubelfield Rd. Stony Creek, VA 23882 804-469-7327 Shirley M. Shands 26613 Troublefield Rd. Stony Creek, VA 23882 804-469-3112 Glover Pegram Trustee P.O. Box 161		004 405-7507
Stony Creek, VA 23882 Stony Creek, VA 23882 804-731-6733 804-469-7327 Therman Lee Shands Shirley M. Shands 26709 Troublefield Rd. 26613 Troublefield Rd. Stony Creek, VA 23882 Stony Creek, VA 23882 804-469-3021 804-469-3112 Glover W. Pegram Glover Pegram Trustee P.O. Box 161 P.O. Box 161	Samuel Shands	Carolyn Shands
804-731-6733 Therman Lee Shands 26709 Troublefield Rd. Stony Creek, VA 23882 804-469-3021 Glover W. Pegram P.O. Box 161 Shirley M. Shands 26613 Troublefield Rd. Stony Creek, VA 23882 804-469-3112 Glover Pegram Trustee P.O. Box 161	26714 Troubelfield Rd.	26714 Troubelfield Rd.
Therman Lee Shands 26709 Troublefield Rd. Stony Creek, VA 23882 804-469-3021 Glover W. Pegram P.O. Box 161 Shirley M. Shands 26613 Troublefield Rd. Stony Creek, VA 23882 804-469-3112 Glover Pegram Trustee P.O. Box 161	Stony Creek, VA 23882	Stony Creek, VA 23882
26709 Troublefield Rd. Stony Creek, VA 23882 804-469-3021 Glover W. Pegram P.O. Box 161 26613 Troublefield Rd. Stony Creek, VA 23882 804-469-3112 Glover Pegram Trustee P.O. Box 161	804-731-6733	804-469-7327
26709 Troublefield Rd. Stony Creek, VA 23882 804-469-3021 Glover W. Pegram P.O. Box 161 26613 Troublefield Rd. Stony Creek, VA 23882 804-469-3112 Glover Pegram Trustee P.O. Box 161		
Stony Creek, VA 23882 Stony Creek, VA 23882 804-469-3021 804-469-3112 Glover W. Pegram Glover Pegram Trustee P.O. Box 161 P.O. Box 161	Therman Lee Shands	Shirley M. Shands
804-469-3021 804-469-3112 Glover W. Pegram Glover Pegram Trustee P.O. Box 161 P.O. Box 161	26709 Troublefield Rd.	26613 Troublefield Rd.
Glover W. Pegram Glover Pegram Trustee P.O. Box 161 P.O. Box 161	Stony Creek, VA 23882	Stony Creek, VA 23882
P.O. Box 161 P.O. Box 161	804-469-3021	804-469-3112
P.O. Box 161 P.O. Box 161		
	Glover W. Pegram	Glover Pegram Trustee
Stony Creek VA 23882	P.O. Box 161	P.O. Box 161
Story creek, va 23002	Stony Creek, VA 23882	Stony Creek, VA 23882
434-246-2441 434-246-2441	434-246-2441	434-246-2441
Cynthia Pegram (Wyche) Viola Shands	Cynthia Pegram (Wyche)	Viola Shands
11449 Halifax Rd. P.O. Box 91	11449 Halifax Rd.	P.O. Box 91
Stony Creek, VA 23882 Stony Creek, VA 23882	Stony Creek, VA 23882	Stony Creek, VA 23882
434-658-4474 804-469-7367	434-658-4474	804-469-7367

Nola S. Harvell is now deceased. Her siblings Samuel Shands, Therman Lee Shands, and Shirley Shands now own the property jointly.

Walter S. Shands Sr. is now deceased. His children, Samuel Shands, Therman Lee Shands, and Shirley Shandsnow own the property jointly.

FARM DATA SHEET

SITE NAME:	Samuel Shands	COUNTY:	Dinwiddie
OWNER:	See List Attached	OPERATOR:	Samuel Shands
OWNER'S	See List Attached	OPERATOR'S	26714 Troublefield Rd.
ADDRESS:		ADDRESS:	Stony Creek, VA 23882
OWNER'S TELEPHONE:	See List Attached	OPERATOR'S TELEPHONE:	804-469-7327
GENERAL FARM TYPE:	Hay/Row Crops	CELL PHONE:	804-731-6733
# CATTLE:	None	EMAIL:	-
LAGOON or SLURRY:	None	LATITUDE:	F 1-4 36.972 F 5-11 36.982 F 12-15 36.975
TOPO QUAD:	Stony Creek	LONGITUDE:	F 1-4 -77.456 F 5-11 -77.451 F 12-15 -77.441
COMMENTS:		METHOD OF DETERMINATION:	Online Maps
			Α
			9-2-20

NEW FIELD CHANGES SAMUEL SHANDS DINWIDDIE COUNTY

NEW FIELD 1 IS OLD FIELD 1 AND PART OF OLD FIELD 2.

NEW FIELD 2 IS PART OF OLD FIELD 3.

NEW FIELD 3 IS PART OF OLD FIELD 3.

NEW FIELD 4 IS PART OF OLD FIELD 3.

NEW FIELD 5 IS OLD FIELD 5.

NEW FIELD 6 IS OLD FIELD 4 AND PART OF OLD FIELD 7.

NEW FIELD 7 IS PART OF OLD FIELD 6.

NEW FIELD 8 IS PART OF OLD FIELD 6.

NEW FIELD 9 IS PART OF OLD FIELD 7.

NEW FIELD 10 IS PART OF OLD FIELD 7.

NEW FIELD 11 IS OLD FIELD 8.

NEW FIELD 12 IS PART OF OLD FIELD 10.

NEW FIELD 13 IS PART OF OLD FIELD 10.

NEW FIELD 14 IS PART OF OLD FIELD 10.

NEW FIELD 15 IS OLD FIELD 9.

RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	Environn	nentally Se	ensitive	Soils		Tax	FSA
Identification	Acres	Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood	Hydro	Man #	Tract#
Idontinoation	Acres		Silanow	Leacii	r req r roou	Мар	Map #	
		1A DecApr.					86-41	T 23 F 3
DWDSS 1	17.0	16A NovApr.	-	-	74	CU 25	87-14	T 62 F 1
		17A NovMar.						T 192
DWDSS 2N	3.2	17B NovApr.		35)#	CU 25	87-16	F 2
								T 192
DWDSS 3	5.5	17A NovMar₊	<u>(37)</u>	S E .	S 	CU 25	87-16	F 3
		17A NovMar						T 192
DWDSS 4N	6.7	17B NovApr.		88		CU 25	87-16	F 4
		1A DecApr.						T 108
DWDSS 5	10.0	16A NovApr.	1997	N=	7.5	CU 25	87-11	F 1
		1A DecApr.						
		16A NovApr.						
		17B NovApr.						T 782
DWDSS 6N	12.1	17C NovApr.			. 85	CU 25	87-12	F 1, None
		1A DecApr.						
		16A NovApr.						
		17A NovMar.					87-10	T 105
DWDSS 7N	27.8	17B NovApr.)(=)	0 >	R=	CU 25	87-12	F 1, 2
		16A NovApr.						
		17A NovMar⊩					87-10	T 105
DWDSS 8N	10.7	17B NovApr.			ie	CU 25	87-11	F 2

		16A NovApr. 17A NovMar.						T 782
DWDSS 9N	6.9	17C NovApr.	-	4 0	¥11	CU 25	87-11	F 3
		17A NovMar.					87-11	T 782
DWDSS 10N	10.4	17C NovApr.	-	#3	=0	CU 25	87-12	F 2
		14A NovApr.						
		16A NovApr.						T 108
DWDSS 11	11.8	17B NovApr.	-	-	=/	CU 25	87-11	F 2
		400 Nov. Am.						
		16A NovApr.					07.40	T 407 F 4 0
DWDSS 12	10.4	17A NovMar.				01105	87-19	T 107 F 1, 2
DVVD85 12	13.4	17B NovApr.	-	=)	-	CU 25	87-20	T 284 F 4, 5
		16A NovApr. 17A NovMar.						T 204
DWDSS 13	3.7	17B NovApr.		_		CU 25	87-20	T 284 F 1
DVVD33 13	3.7	16A NovApr.		-		CQ 25	07-20	
		17A NovMar.						T 284
DWDSS 14	8.7	17B NovApr.	_	_	_	CU 25	87-20	F 6
BVVB00 14	0.7	1A DecApr.				00 20	01-20	0
		16A NovApr.					87-24	T 107
DWDSS 15	7.0	17B NovApr.	, š	=	=	CU 25	87-24A	F 3, 4
		P11.1						, .
TOTAL ACRES IN SITE	154.9							

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet (Fall, 2020-Winter, 2022) Samuel Shands Planner: John Doe

Tract: 23 Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop		Leg /Man Resid	Manure/Biosld Rate & Type (season)	(d)	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appld N-P-K (lbs/ac)	P	Commercial N-P-K (lbs/ac)	Notes
3/DWDSS 1(N)	17/17	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A		

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Tract: 105 Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (Ibs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	(d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, 2/DWDSS 7(N)	28/28	2020	Fescue grass hay	90-80-170	0/0				90-80-170	N/A			
			mt.		l							1 1	
2/DWDSS 8(N)	11/11	2020	Fescue grass hay	90-80-170	0/0				90-80-170	N/A			
			mt.										

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Tract: 107

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (Ibs/ac)	l	Manure/Biosld Rate & Type (season)	(d)	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appld N-P-K (lbs/ac)		Commercial N-P-K (lbs/ac)	Notes	
1, 2/DWDSS 12(N)	13/13		Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
		2021	*** *** ***	TE TE TE									
3, 4/DWDSS 15(N)	7/7	2020	Wheat (grain)	100-60-60	20/0	1 == ==			80-60-60	N/A			
		2021	NC004-16										

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Tract: 108 Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr,	Crop	Needs N-P-K (Ibs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/DWDSS 5(N)	10/10	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
2/DWDSS 11(N)	12/12	2020	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Tract: 192

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	(d)	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes
2/DWDSS 2(N)	3/3	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A		
3/DWDSS 3(N)	6/6	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A		
4/DWDSS 4(N)	7/7	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A		

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Tract: 284 Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Сгор	Needs N-P-K (Ibs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	(d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appid N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1/DWDSS 13(N)	4/4	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
6/DWDSS 14(N)	9/9	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Tract: 782

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (Ibs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	(d)	Man/Bios N-P-K (Ibs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
1, None/DWDSS 6(N)	12/12	2020	Fescue grass hay mt.	70-50-95	0/0			11	70-50-95	N/A			
3/DWDSS 9(N)	7/7	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			
2/DWDSS 10(N)	10/10	2020	Fescue grass hay mt.	90-80-170	0/0				90-80-170	N/A			

Commercial Application Methods: br - Broadcast ba - Banded sd - Sidedress

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
23	DWDSS 1	17	[No	- 1		•	1,6	124.5	10110710
			Test]						
105	DWDSS 7	28	[No						
			Test]						
105	DWDSS 8	11	[No						
			Test]						
107	DWDSS 12	13	[No						
			Test]						
107	DWDSS 15	7	[No						
			Test]						
108	DWDSS 5	10	[No						
			Test]						
108	DWDSS 11	12	[No						
			Test]						
192	DWDSS 2	3	[No						
		_	Test]						
192	DWDSS 3	6	[No						
400	D14/D00 /	_	Test]						
192	DWDSS 4	7	[No						
			Test]						
284	DWDSS 13	4	[No						
004	D14/D00 44	_	Test]						
284	DWDSS 14	9	[No						
700	D14/D00.0	4.5	Test]						
782	DWDSS 6	12	[No						
700	DIMPOO	-	Test]						
782	DWDSS 9	7	[No						
700	DWD00.40	40	Test]						
782	DWDSS 10	10	[No						
			Test]						

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
23	23/3	DWDSS 1	17	Altavista	lb	1	il .		<u> </u>
105	105/1, 2	DWDSS 7	28	Slagle	Illa	ii -	Ш	II .	
	105/2	DWDSS 8	11	Slagle	Illa	1	111	Ì	
107	107/1, 2	DWDSS 12	13	Slagle	IIb	Ti Ti	Ш		
	107/3, 4	DWDSS 15	7	Altavista	Illa	H	Ш	Ш	
108	108/1	DWDSS 5	10	Altavista	la	1	II .	1	
	108/2	DWDSS 11	12	Slagle	IVa	IV	Not	ÎV	
							Suited		
192	192/2	DWDSS 2	3	Slagle	IIb	1	III	1	
	192/3	DWDSS 3	6	Slagle	llb	Í	111	1	
	192/4	DWDSS 4	7	Slagle	IIb	ı	111	1	
284	284/1	DWDSS 13	4	Slagle	Illa	l)	III	11	
	284/6	DWDSS 14	9	Slagle	Illa		Ш	_1	
782	782/1,	DWDSS 6	12	Roanoke	IIIb	[]]	111	111	
	None								
	782/3	DWDSS 9	7	Slagle	IIIb	II.	111	111	
	782/2	DWDSS 10	10	Slagle	IIb	Ï	Ш	Ď	

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
1	>170	>80	>64	>6	>4.0
ll	150-170	70-80	56-64	4-6	3.5-4.0
HI	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: New Plan Fall, 2020 - Winter, 2022

Farm Name: Samuel Shands

Location: Dinwiddie Specialist: John Doe N-based Acres: 154.9

P-based Acres: 0.0

Tract Name: 23 FSA Number: 23

Location: Dinwiddie

Field Name: DWDSS 1

Total Acres: 17.00 Usable Acres: 17.00

FSA Number: 3 Tract: 23

Location: Dinwiddie

Slope Class: A Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

92 1A Altavista 8 16A Roanoke

Field Warnings:

Tract Name: 62 FSA Number: 62

Location:

Dinwiddie

Tract Name: 105 FSA Number: 105

Location:

Dinwiddie

Field Name:

DWDSS 7

Total Acres: 27.8

27.80 Usable Acres: 27.80

FSA Number: 1, 2 Tract: 105

Location:

Dinwiddie

Slope Class:

Hydrologic Group:

С

Riparian buffer width: 0 ft Distance to stream: 0 ft

В

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH P

Κ

Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

68 17B Slagle 3 17A Slagle 20 16A Roanoke 10 1A Altavista

Field Warnings:

Field Name:

DWDSS 8

Total Acres:

10.70 Usable Acres: 10.70

Tract:

FSA Number: 2 105

Α

Location:

Dinwiddie

Slope Class:

Hydrologic Group:

С

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

Р

Κ

Lab

[NO TEST]

PH

Soils:

PERCENT

SYMBOL

SOIL SERIES

32 3

5B

Emporia

16A Roanoke

60

Slagle 17A

5

17B Slagle

Field Warnings:

Tract Name: FSA Number: 107

107

Location:

Dinwiddie

Field Name:

DWDSS 12

Total Acres:

13.40 Usable Acres: 13.40

FSA Number: 1, 2 Tract: 107

Location: Dinwiddie

Slope Class: A Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES
4 16A Roanoke
63 17A Slagle

34 17B Slagle

Field Warnings:

Field Name: DWDSS 15

Total Acres: 7.00 Usable Acres: 7.00

FSA Number: 3, 4 Tract: 107

Location: Dinwiddie

Slope Class: A Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

23
30
47
16A
Roanoke
Altavista

Field Warnings:

Tract Name: 108 FSA Number: 108

Location: Dinwiddie

Field Name: DWDSS 5

Total Acres: 10.00 Usable Acres: 10.00

FSA Number: 1 Tract: 108

Location: Dinwiddie

Slope Class: A Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

1 16A Roanoke 99 1A Altavista

Field Warnings:

Field Name: DWDSS 11

Total Acres: 11.80 Usable Acres: 11.80

FSA Number: 2 Tract: 108

Location: Dinwiddie

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

43 17B Slagle
 43 16A Roanoke
 14 14A Myatt

Field Warnings:

Tract Name: 192

FSA Number: 192

Location: Dinwiddie

Field Name: DWDSS 2

Total Acres: 3.20 Usable Acres: 3.20

FSA Number: 2 Tract: 192

Location: Dinwiddie

Slope Class: A Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

61 17A Slagle 39 17B Slagle

Field Warnings:

Field Name: DWDSS 3

Total Acres: 5.50 Usable Acres: 5.50

FSA Number: 3 Tract: 192

Location: Dinwiddie

Slope Class: A Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary N-based Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method Soil Test Results: DATE PΗ Ρ Κ Lab [NO TEST] Soils: **PERCENT** SYMBOL **SOIL SERIES** Slagle 100 17A Field Warnings: Field Name: **DWDSS 4** Usable Acres: 6.70 Total Acres: 6.70 FSA Number: 4 Tract: 192 Dinwiddie Location: Slope Class: Hydrologic Group: С Α Riparian buffer width: 0 ft Distance to stream: 0 ft P-Index Summary N-based Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method Soil Test Results: DATE PH Ρ Κ Lab [NO TEST] Soils: PERCENT SYMBOL SOIL SERIES

Slagle

Slagle

17A

17B

95

5

Field Warnings:

Tract Name: 284 FSA Number: 284

Location: Dinwiddie

Field Name: DWDSS 13

Total Acres: 3.70 Usable Acres: 3.70

FSA Number: 1 Tract: 284

Location: Dinwiddie

Slope Class: A Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

 12
 16A
 Roanoke

 85
 17A
 Slagle

 3
 17B
 Slagle

Field Warnings:

Field Name: DWDSS 14

Total Acres: 8.70 Usable Acres: 8.70

FSA Number: 6 Tract: 284

Location: Dinwiddie

Slope Class: A Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

9 16A Roanoke 85 17A Slagle 6 17B Slagle

Field Warnings:

Tract Name: 782 FSA Number: 782

Location: Dinwiddie

Field Name: DWDSS 6

Total Acres: 12.10 Usable Acres: 12.10

FSA Number: 1, None

Tract: 782

Location: Dinwiddie

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES
35 1A Altavista
44 16A Roanoke
4 17B Slagle
17 17C Slagle

Field Warnings:

Field Name: DWDSS 9

Total Acres: 6.90 Usable Acres: 6.90

FSA Number: 3 Tract: 782

Location: Dinwiddie

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

28 16A Roanoke
 58 17A Slagle
 13 17C Slagle

Field Warnings:

Field Name: DWDSS 10

Total Acres: 10.40 Usable Acres: 10.40

FSA Number: 2 Tract: 782

Location: Dinwiddie

Slope Class: A Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

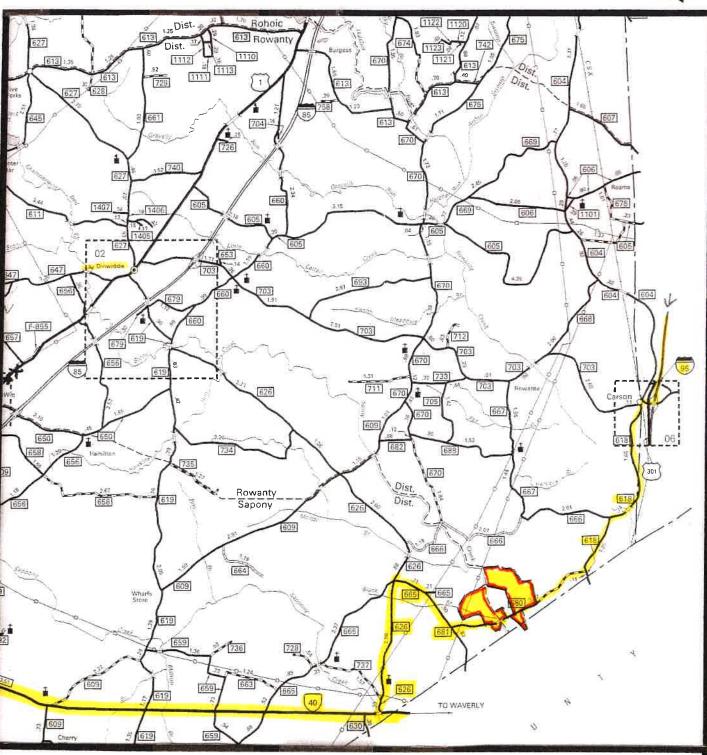
2 17C Slagle 98 17A Slagle Field Warnings:

MAPS

Recyc Systems.

(Biosolids Land Application)





Scale: 1 inch = 2 miles

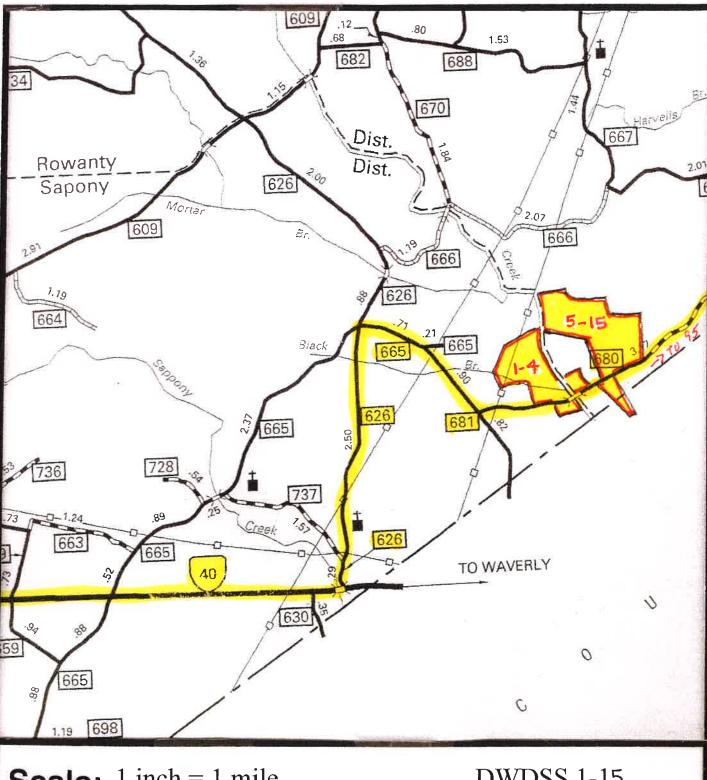
DWDSS 1-15

9-2-20

Recyc Systems Inc.

(Biosolids Land Application)

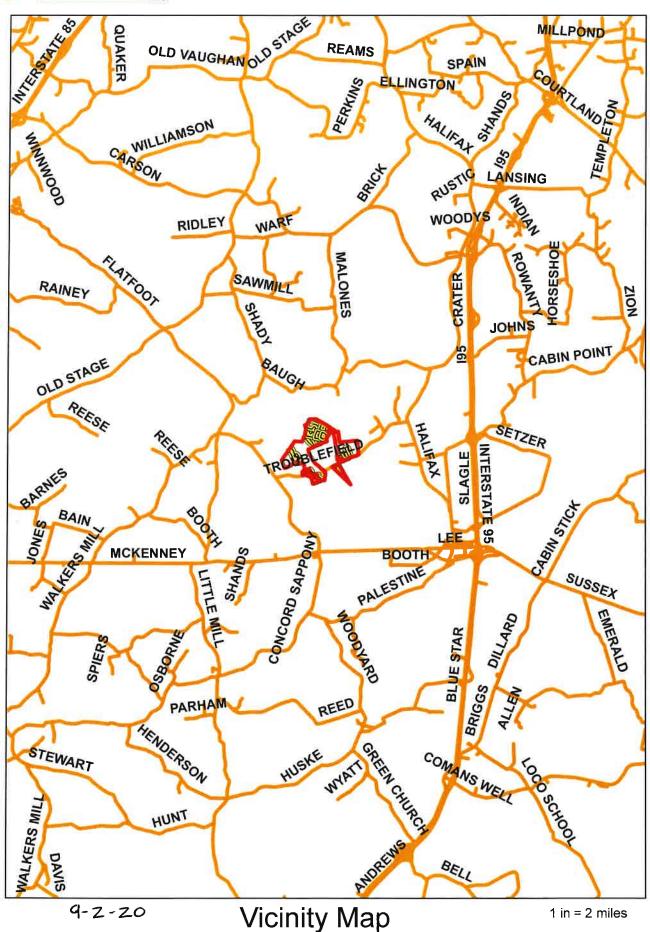




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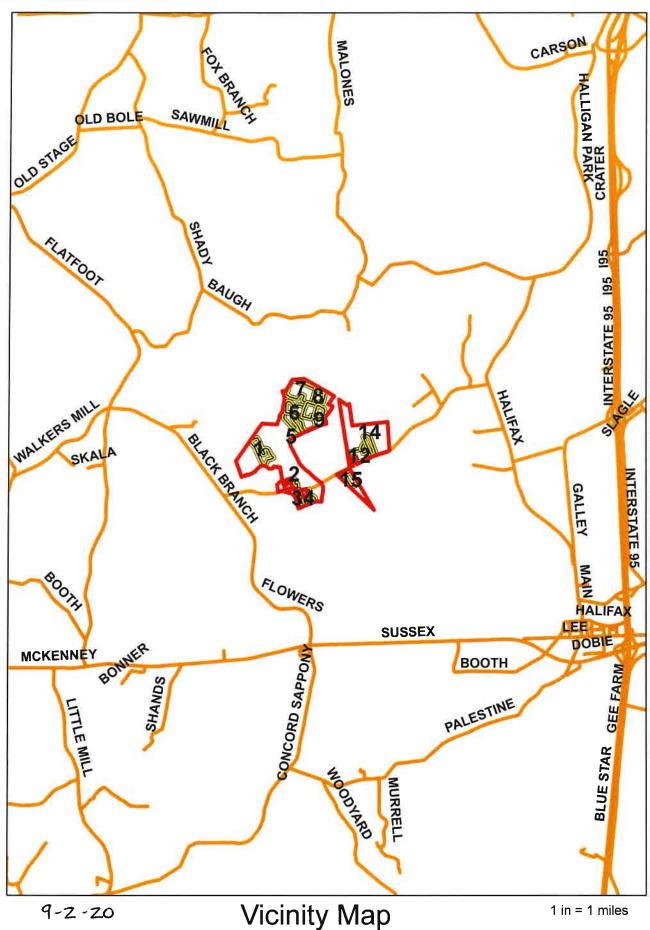
DWDSS 1-15



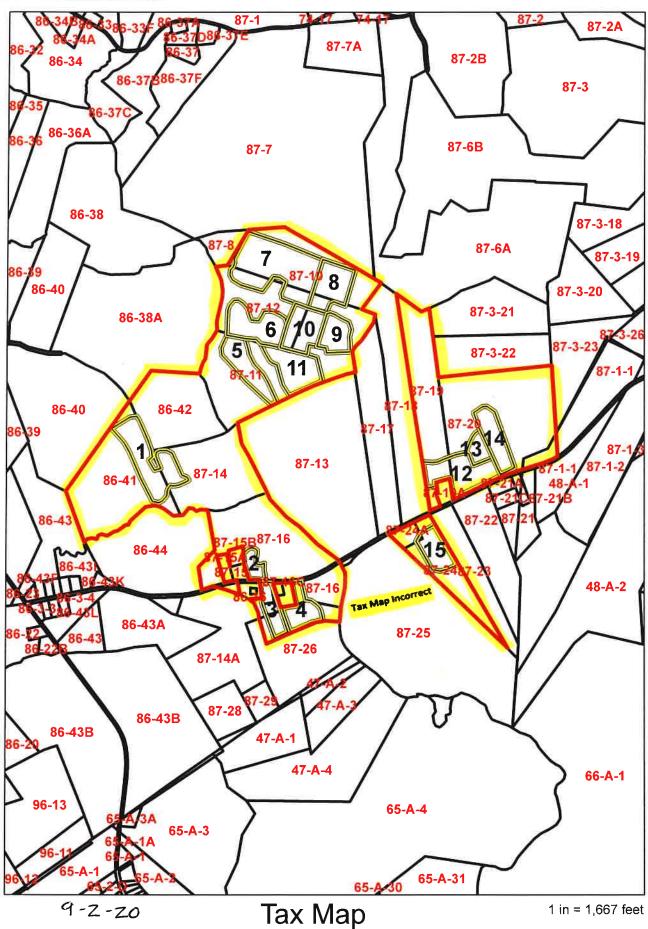




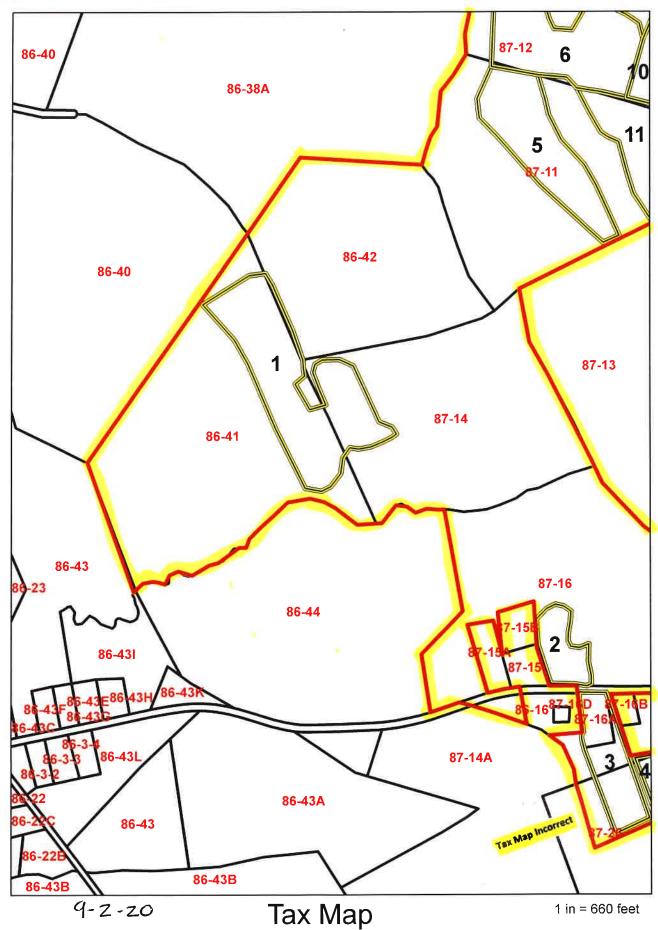






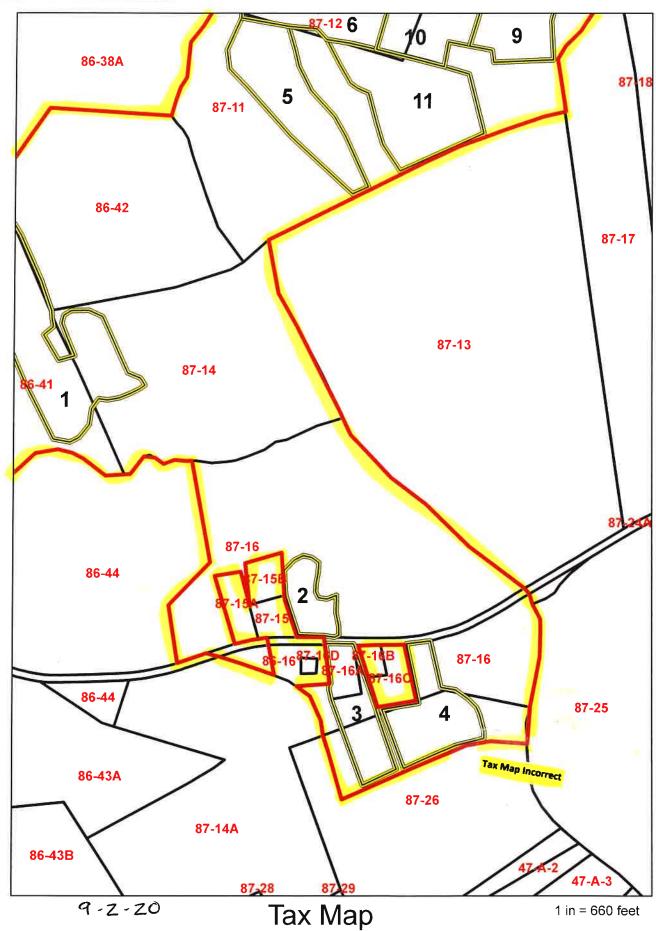




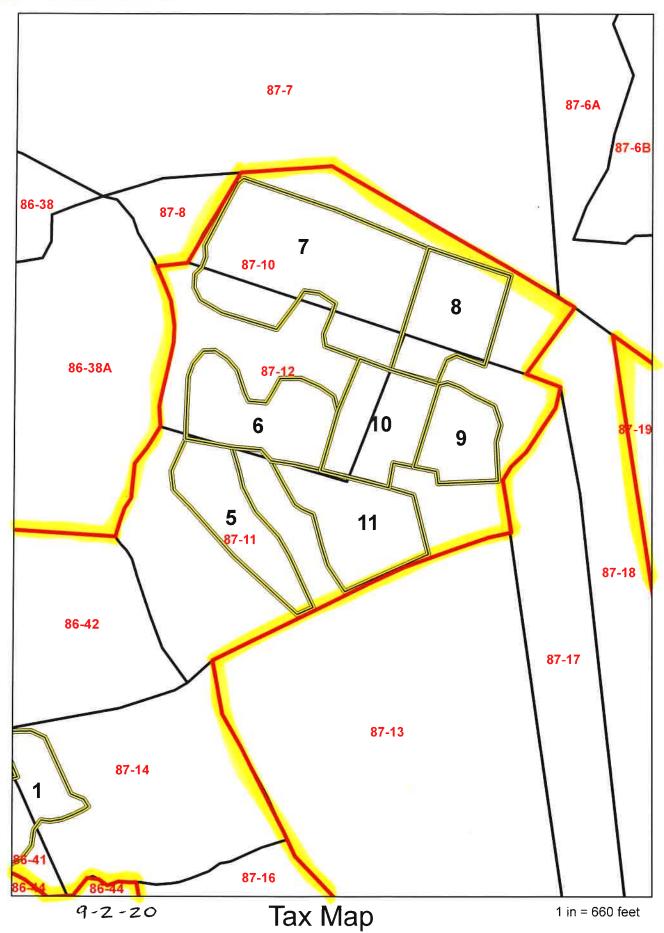




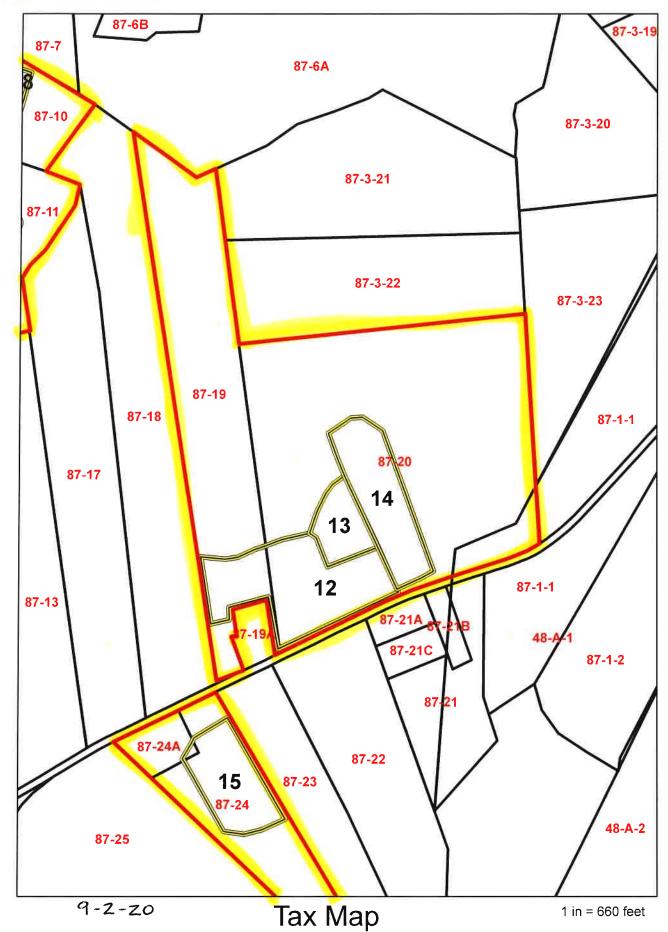




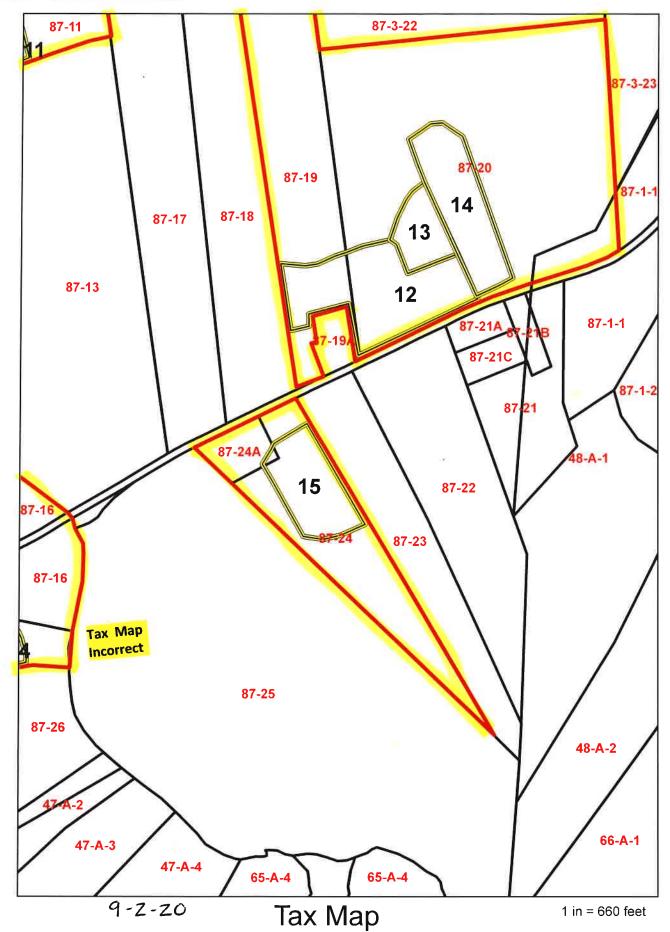












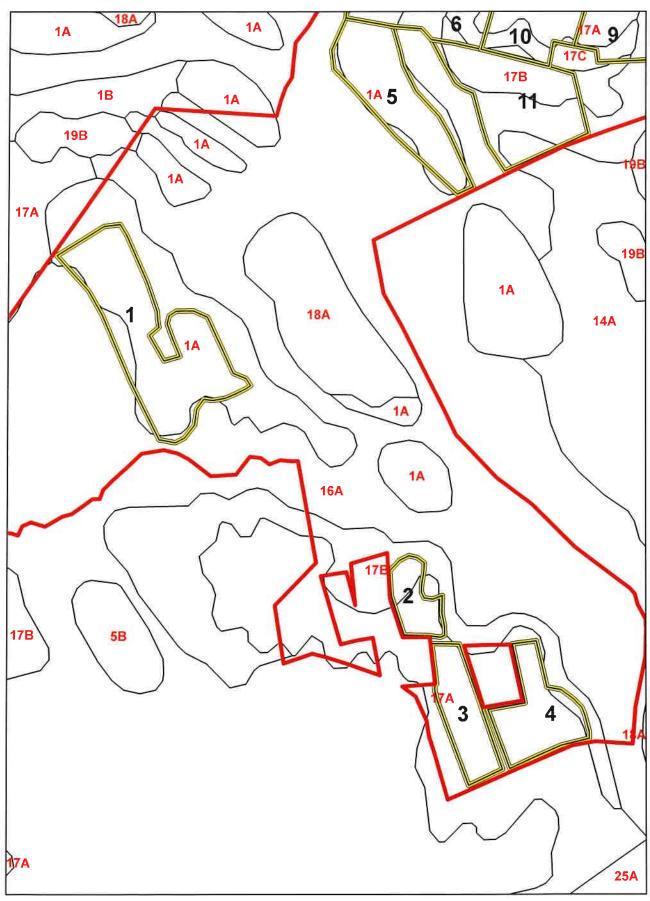
ADJOINING LANDOWNERS

Samuel Shands

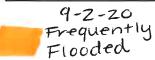
Dinwiddie

Tax Map	Parcel #	Owner Name(s)		
86	38	Donald T Adams		
	38A	Diane H Rogge et als		
	40	Robert Eugene Hoffler Jr		
	42	Glover W Pegram Trustee		
	43	James O Shands Life Estate		
	44	Merle & Cheryle Mccann C/O Cheryle Mccann		
87	1-1	Daniel E Baugh III & John Matthew C/O Daniel Baugh III		
	3-21	William W Wilson Jr		
	3-22	Earl L Jr or Virmishia G Yancey		
	3-23	Kevin R or Michelle S Gates		
	6A	Imphal Timber LLC C/O Timberland Investment Rescources LLC		
	7	Land and Timber		
	13	Bay Leasing and Management CO INC		
	14A	Ted T Upton Jr		
	15	Waverly & Daisy B Burrow		
	15A	Karen D Brown		
	16A	William T Gary		
	16B	Christopher Burrow		
1	16C	Christopher Burrow		
	17	Clayton & Katrine H Forehand		
	18	John Peter Clements		
	21	Innaman Enterprises LLC		
	21B	Craig S & Sonia L Brown		
	22	Lee R Jr or June H Bethea		
	25	Lee R Jr or June H Bethea		
	26	Florence G Jones & Gladys V Mason et als		
		Sussex		
48	A-1	Daniel E Baugh III		



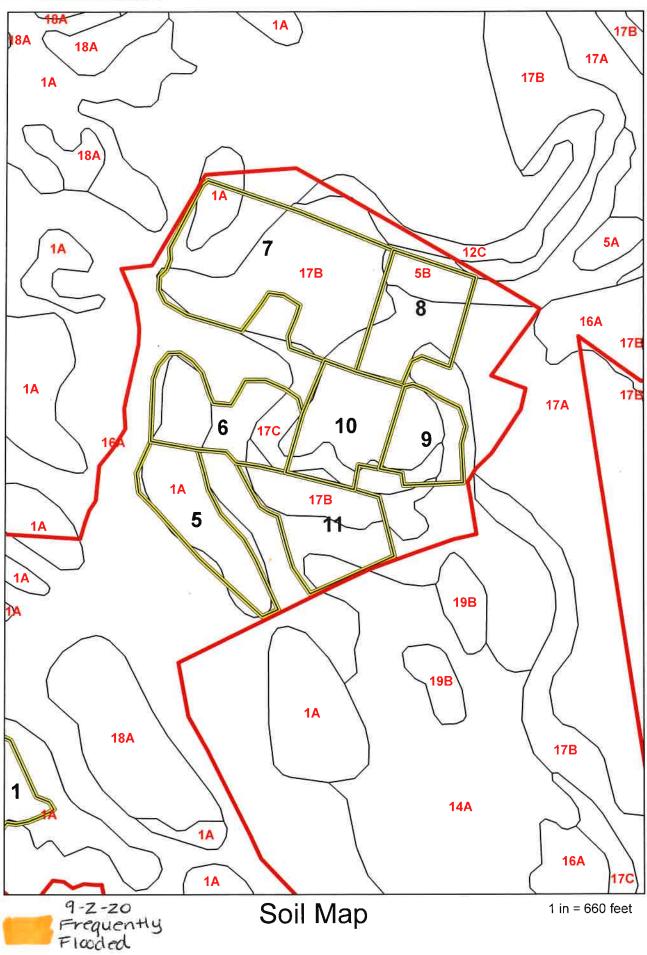


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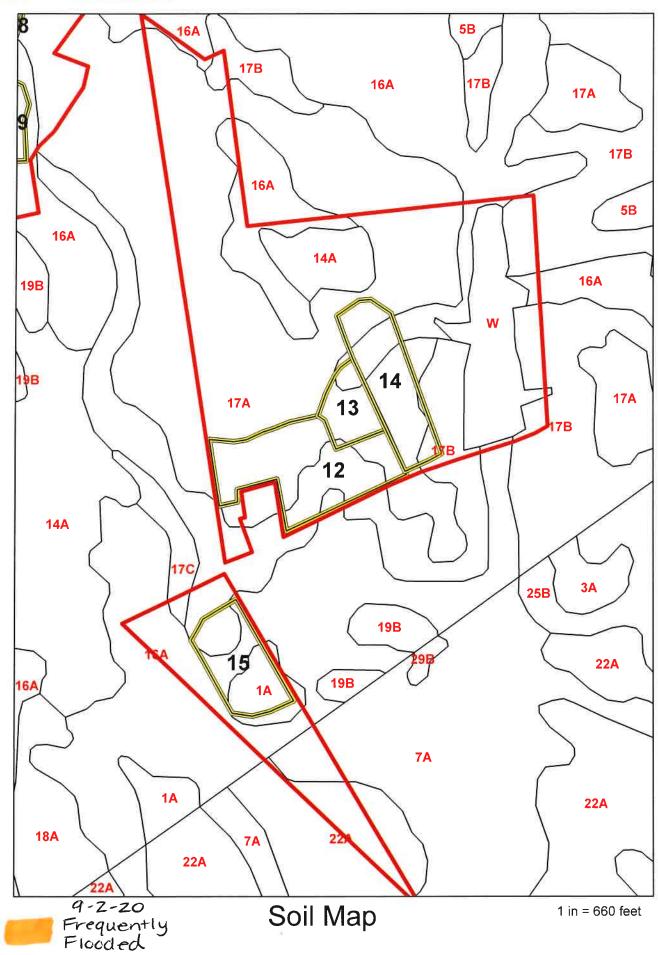
Soil Map





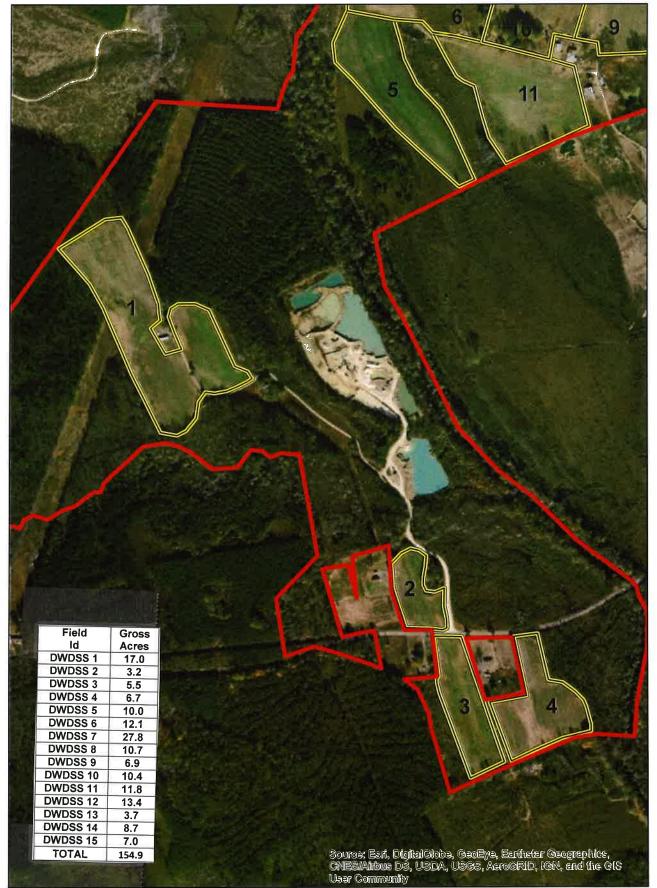














9-2-20

Aerial Map



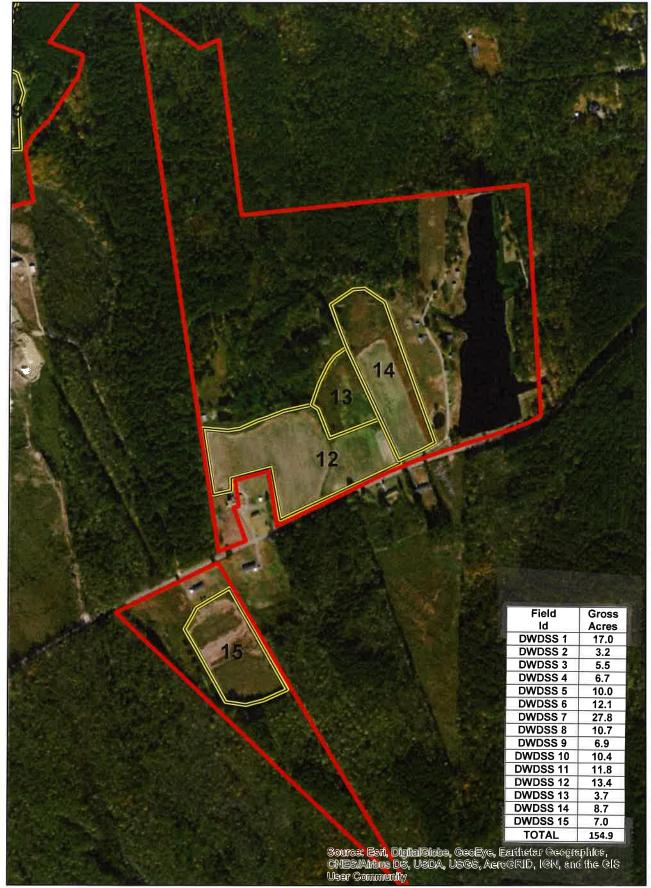




9-Z-ZO

Aerial Map





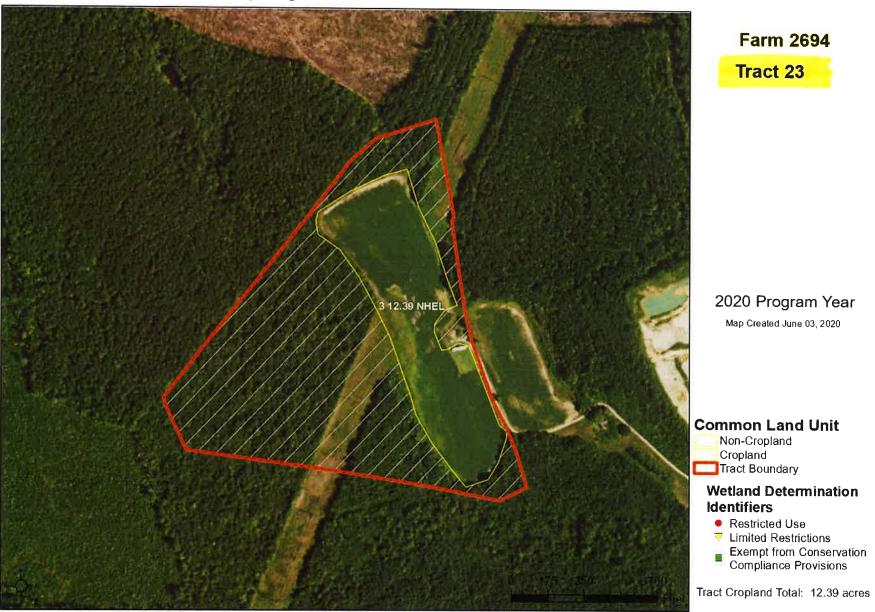


9-Z-ZO

Aerial Map



Dinwiddie County, Virginia

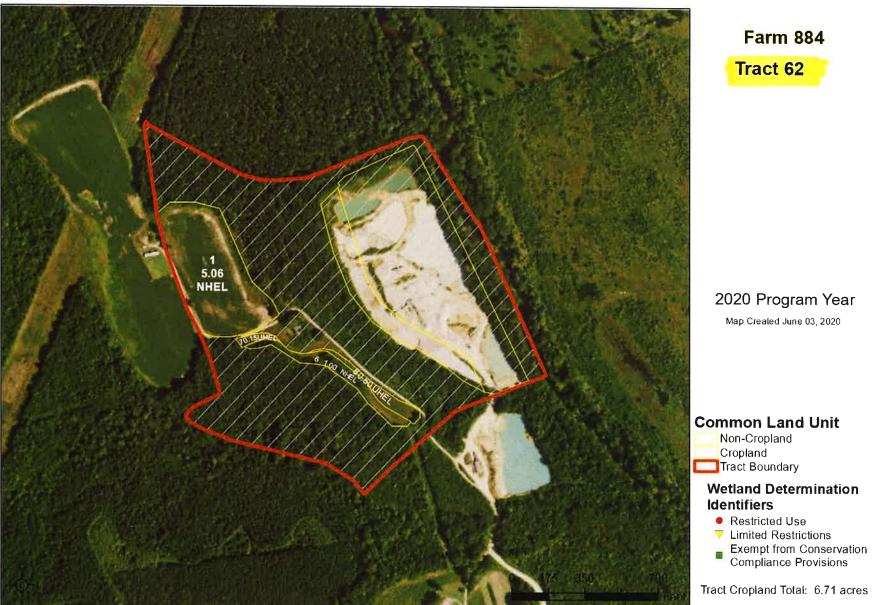


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Dinwiddie County, Virginia

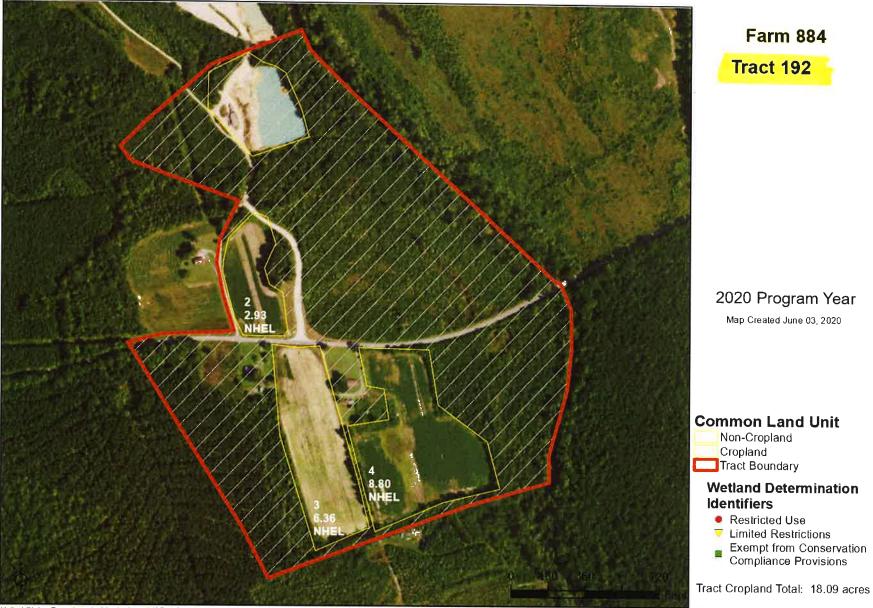


United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership, rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage

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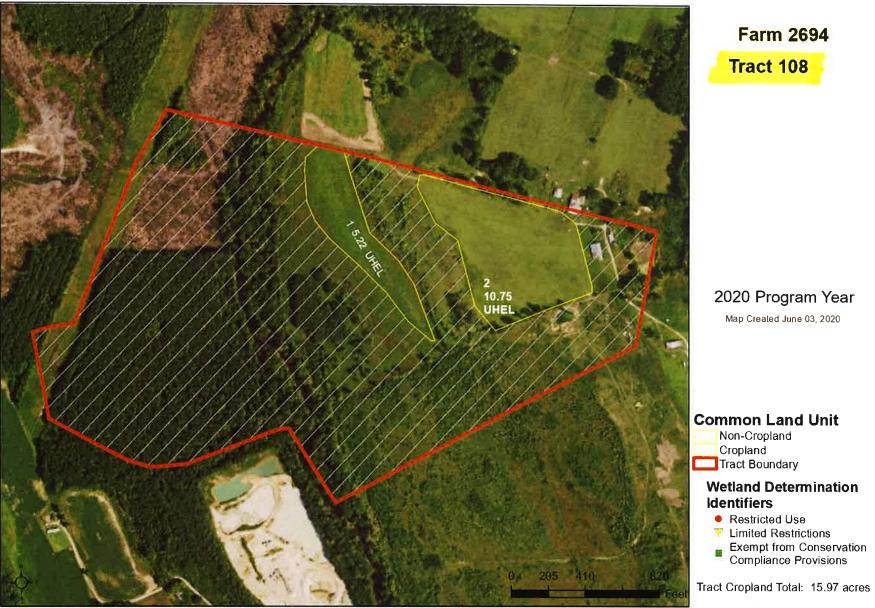
Dinwiddie County, Virginia



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Dinwiddie County, Virginia

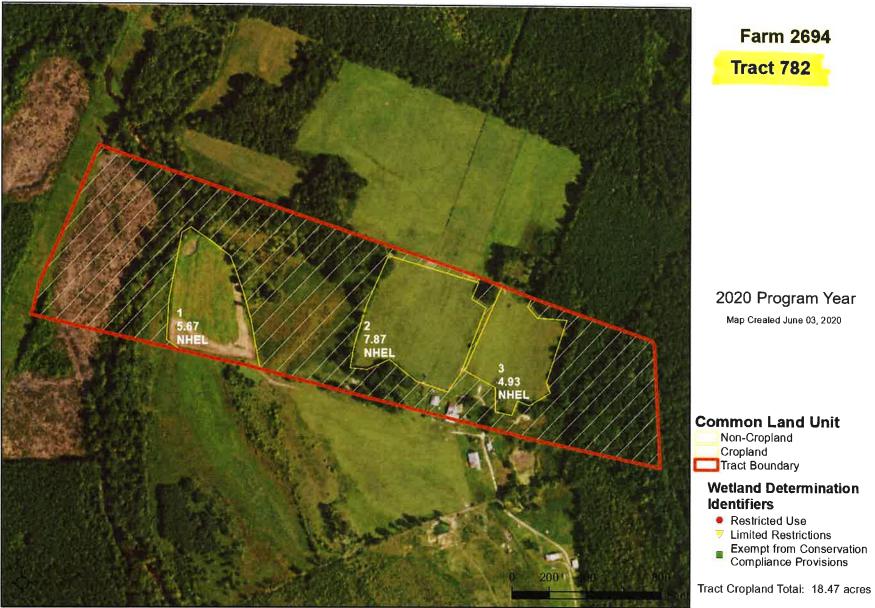


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Agriculture

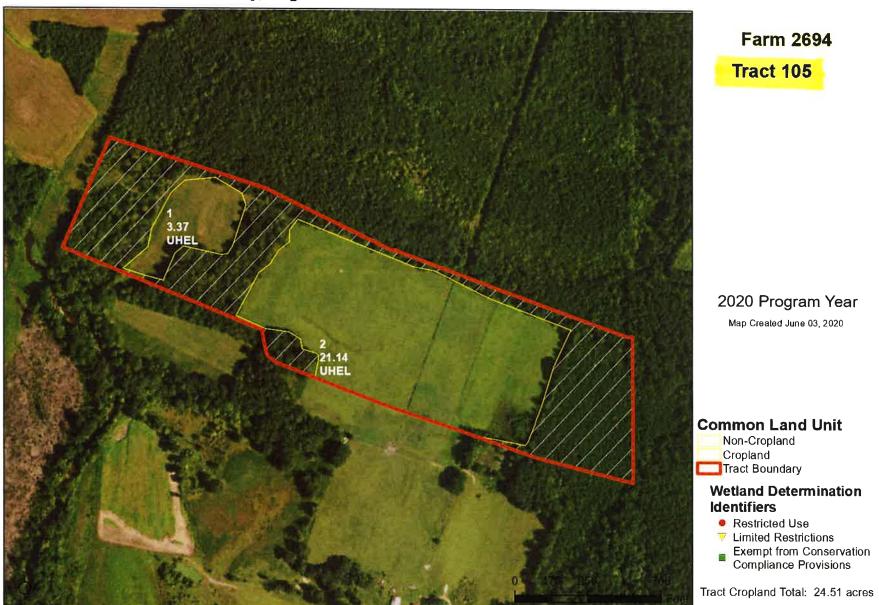
Dinwiddie County, Virginia



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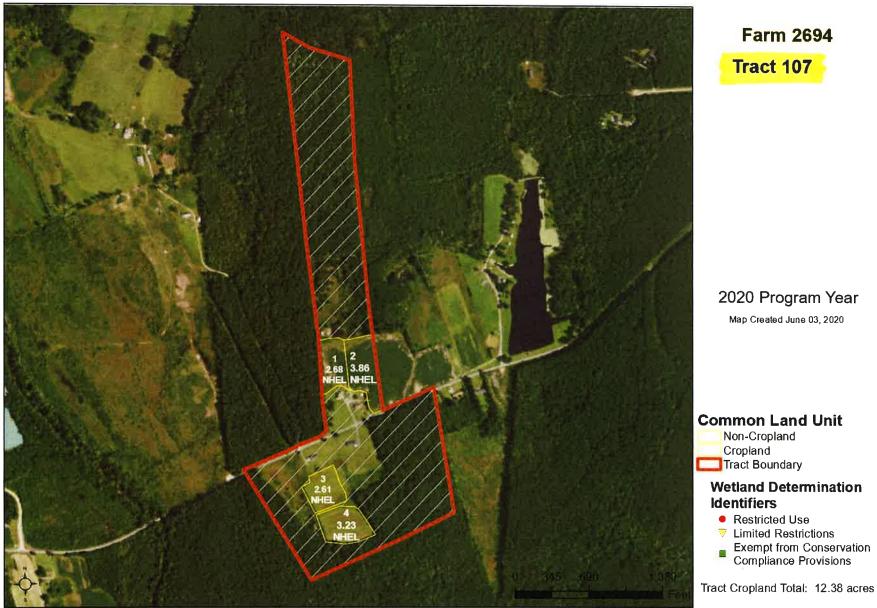


United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery. The producer accepts the data "as is" and assumes all insides associated with its use. USDA-FSA assumes no responsibility for actual or consciouting for actual or consciouting the programs. Metallic data and the programs of the

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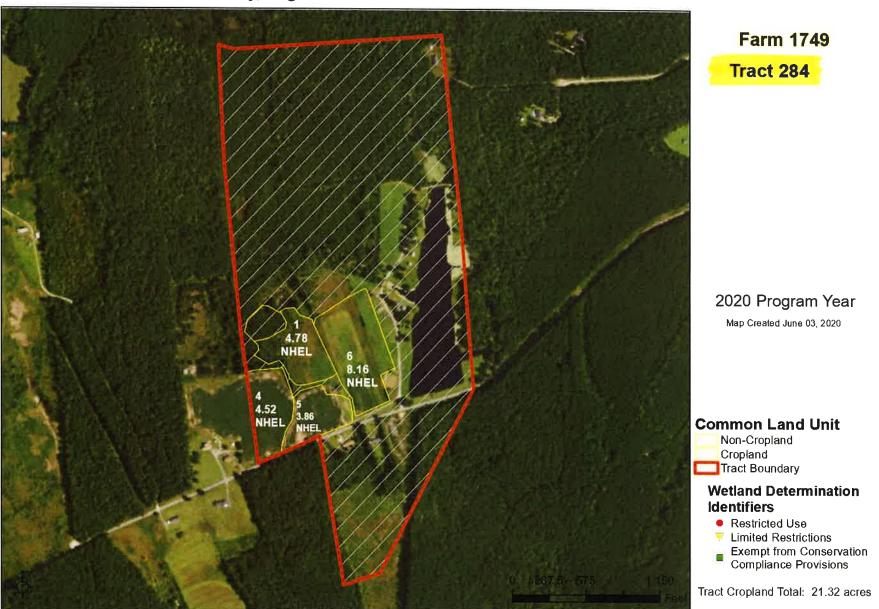


United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage

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USDA United States
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Dinwiddie County, Virginia



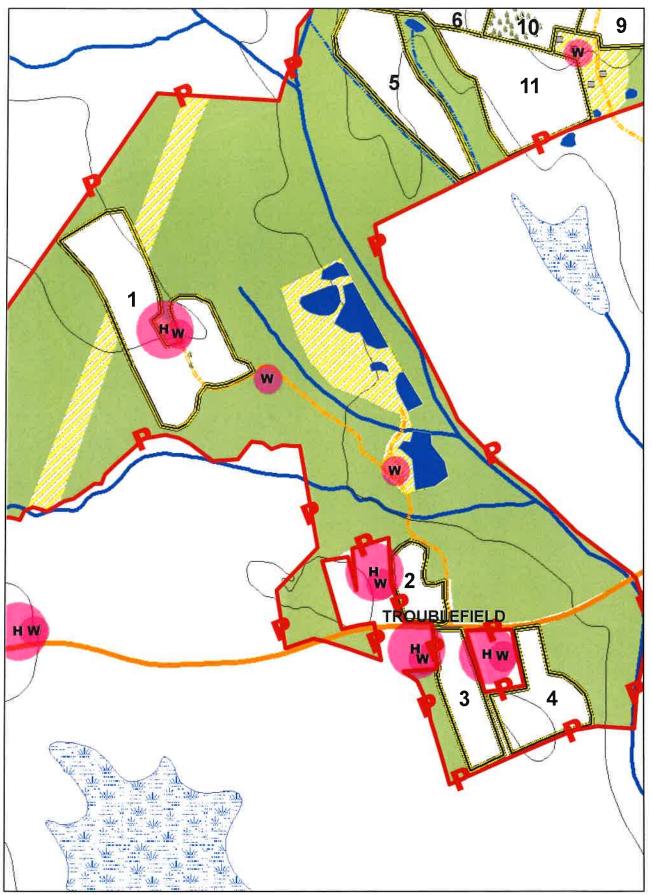
United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership, rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Programs (NAIP) imagery. The producer accepts the data assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential data assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential data managements and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential data managements and assumes all risks associated with the same acceptable of the sa

Legend For Site Plan

Symbol	Feature	Minimum Setback
HW	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
w	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
Ш	Wet Spot	8
	Trees and Woods	
	Private Drive	
R	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
≡	Severely Eroded Spot	18 Inch minimum depth of soil
S	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
_P _ P_ P_	Property Line	100 feet from property line *
SL S	Slope	15% maximum
	Hashed out Area	No application

^{*}Buffer can be reduced or waived upon written consent from landowner.



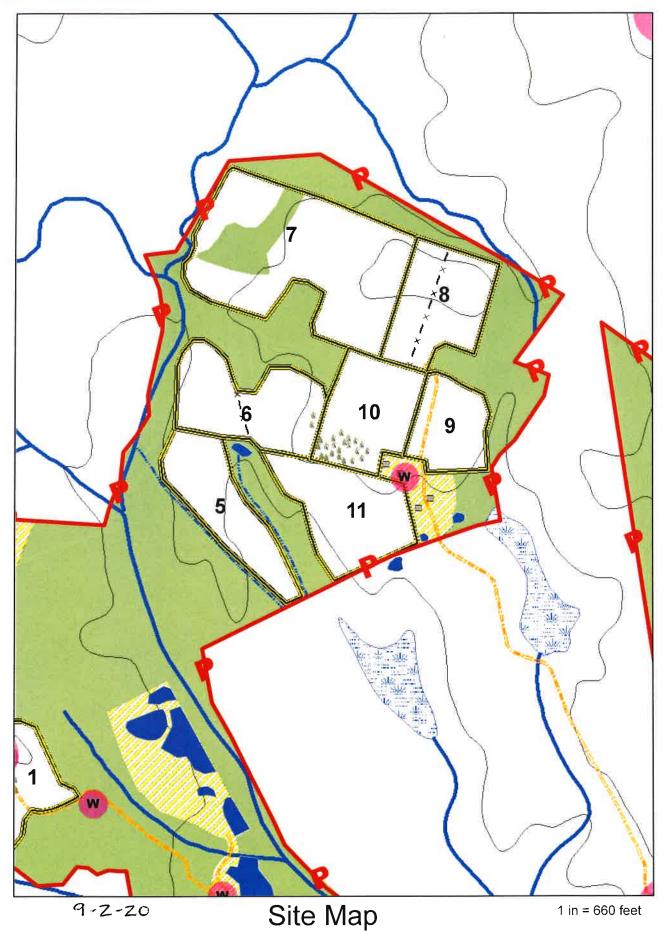


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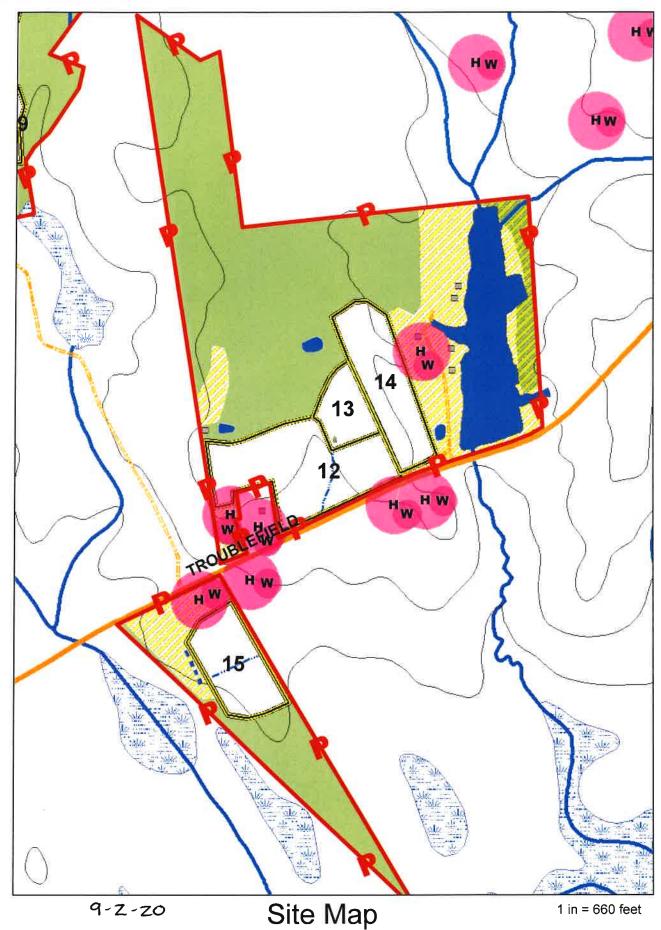
Site Map





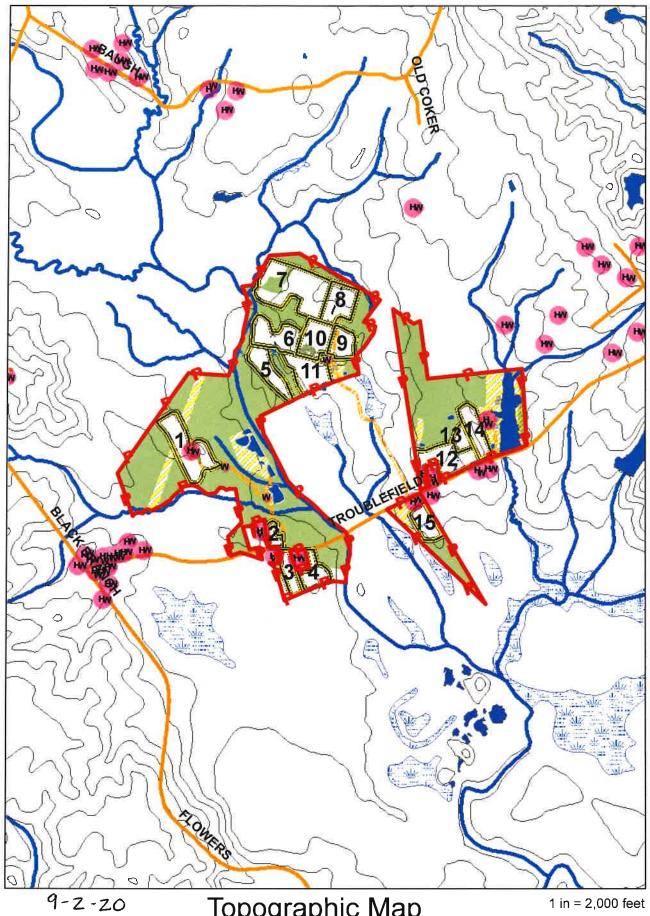














Topographic Map

1 in = 2,000 feet